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Chesapeake Bay Baseline Data Acquisition Appendix X. Effects of Boating and Shipping on Water Quality

Chesapeake Research Consortium, Inc, Annapolis, MD

Prepared for

Environmental Protection Agency, Philadelphia, PA Chesapeake Bay Program

Oct 78

EPA 903/9-78-029

PB 289234

CRC

APPENDIX X

EFFECTS OF BOATING AND SHIPPING ON WATER QUALITY

A Report
under EPA Contract No. 68-01-3994

October 1978

Chesapeake Research Consortium, Incorporated

prepared by

University of Maryland,
Center for Environmental and Estuarine Studies

and

Virginia Institute of Marine Science

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Chesapeake Research Consortium, Incorporated

1419 Forest Drive, Suite 207
Annapolis, Maryland 21403
(301) 263-0884

The Johns Hopkins University
University of Maryland
Smithsonian Institution
Virginia Institute of Marine Science

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16. ABSTRACT

This report identifies researchers conducting current research programs relating to boating and shipping effects on the water quality in the Chesapeake Bay estuarine system. The data files included in this report are compiled from the Environmental Data Base Directory and reflects data applicable to boating and fishing from 1973 to the present.

The report also identifies the major past, present, or planned monitoring efforts.

The data will aid in the design of future research and monitoring efforts for the Chesapeake Bay.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
WATER QUALITY SHIPPING BOATS RESEARCH MONITORS DIRECTORIES	Chesapeake Bay	

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CHESAPEAKE BAY BASELINE DATA ACQUISITION

EFFECTS OF BOATING AND SHIPPING ON WATER QUALITY

Contract No. 68-01-3994

between

U. S. Environmental Protection Agency

and

Chesapeake Research Consortium, Incorporated

October 1978

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1419 Forest Drive, Suite 207
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The Johns Hopkins University
University of Maryland
Smithsonian Institution
Virginia Institute of Marine Science

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INTRODUCTION

This report forms one of several appendices which are the body of the Chesapeake Bay Baseline Data Acquisition Final Report. These appendices are as follows:

- Appendix I. A Chesapeake Bay Directory
- Appendix II. Submerged Aquatic Vegetation
- Appendix III. Toxics in the Chesapeake Bay
- Appendix IV. Eutrophication
- Appendix V. Shellfish Bed Closures
- Appendix VI. Dredging and Spoil Disposal
- Appendix VII. Modification of Fisheries
- Appendix VIII. Hydrologic Modifications
- Appendix IX. Wetlands Alteration
- Appendix X. Effects of Boating and Shipping on Water Quality
- Appendix XI. Shoreline Erosion

This report comprises three sections as follows:

Annex I. contains scientists presently engaged in research in this field.

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Annex II. is an indexed listing of data files pertinent to the Chesapeake Bay and adjacent coastal states.

Annex III. summarizes the monitoring efforts as derived from Annex II.

The source material for appendices IV-XI includes minimal material based on interviews, field work and verification. Efforts were directed to determining researchers and their activities from "A Chesapeake Bay Directory" only. For each of the eight subject areas, a key word list was also formulated and the respective pertinent data files compiled from the Environmental Data Base Directory. These files served as the primary source for the monitoring programs section.

ANNEX I

Directory of Researchers

Effects of Boating and Shipping on Water Quality

This "Directory of Researchers" contains a listing of scientists who are presently working in this field, their affiliations and their specific research activities. The information was compiled from "A Chesapeake Bay Directory" by A. McErlean et al. which was published as a partial fulfillment of this contract.

For researchers and research activities in other national and international areas the reader is referred to the "International Directory of Marine Scientists," issued by the Food and Agriculture Organization of the United Nations in 1977. Copies of this directory are available at the following locations:

EPA Region III
Chesapeake Bay Program Office
Curtis Building
6th and Walnut Streets
Philadelphia, PA 19106

Chesapeake Research Consortium
1419 Forest Drive
Suite 207
Annapolis, MD 21403

University of Maryland, Center for Environmental and Estuarine Studies
ATTN: Karen Rutledge
P. O. Box 775
Horn Point Rd.
Cambridge, MD 21613

Virginia Institute of Marine Science
ATTN: Thomas Lochen
Gloucester Point, VA 23062

ANNEX I

Directory of Researchers

Effects of Boating and Shipping on Water Quality

Alden, R. W. University of Maryland	Pollution, ecology, zooplankton.
Ayars, J. University of Maryland	Non-point source pollution.
Bender, M. E. Virginia Institute of Marine Science	Water quality criteria for aquatic life.
Bieri, R. H. Virginia Institute of Marine Science	Oil pollution, oceanography.
Boesch, D. F. Virginia Institute of Marine Science	Benthic ecology, pollution ecology, community ecology.
Bradford, R. H., Jr. Chesapeake Biological Laboratory, University of Maryland	Pollution ecology.
Buikema, A. L., Jr. Virginia Polytechnic Institute and State University	Petroleum toxicity in invertebrates.
Byrne, R. J. Virginia Institute of Marine Science	Beach erosion studies, sediment processes, barrier islands.
Champ, M. American University	Water pollution.
Chen, H. S. Virginia Institute of Marine Science	Water wave mechanics.

Cockey, R. R. Marine Products Laboratory, University of Maryland	Marine microbiological processes, public health aspects of pollution-Chesapeake Bay.
Cole, M. A. Chesapeake Biological Laboratory, University of Maryland	Aquatic microbiology.
Colwell, R. R. University of Maryland	Microbial ecology, pollution degradation by microorganisms-Chesapeake Bay.
Cooney, J. J. Chesapeake Biological Laboratory, University of Maryland	Microbial physiology and ecology, metabolism of hydrocarbons, photokilling of bacteria, microbial transformations of metals.
Correll, D. L. Chesapeake Bay Center for Environmental Studies, Smithsonian Institution	Herbicides and non-point source pollution - Chesapeake Bay.
Day, G. E. Virginia Polytechnic Institute and State University	Land use policy and non-point discharges.
Drobeck, K. G. Chesapeake Biological Laboratory, University of Maryland	Aquatic microbiology.
Erkenbrecher, C. W. Old Dominion University	Estuarine and marine microbiology.
Gross, M. G. Chesapeake Bay Institute, The Johns Hopkins University	Sediments and wastes in coastal environments, urban effects in ocean - Chesapeake Bay.
Gucinski, H. Anne Arundel Community College	Oceanography, ocean dumping.
Hershner, C. Virginia Institute of Marine Science	Oil in salt marshes.

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Hetrick, F. M. University of Maryland	Human enteroviruses in Bay and Bay biota - Chesapeake Bay.
Howard, L. V. University of Maryland	Human pathogens in aquatic environments.
Huggett, R. J. Virginia Institute of Marine Science	Oil pollution, heavy metals, pesticides, water quality criteria.
Ingling, A. L. University of Maryland	Microbiology and pathobiology of soft-shelled clams.
Kator, H. I. Virginia Institute of Marine Science	Microbiology of hydrocarbon degradation.
Kirk, D. W. Old Dominion University	Marine microbial ecology.
Lomax, K. M. Horn Point Environmental Laboratories, University of Maryland	Diffuse sources of pollution - Chesapeake Bay.
Lomax, N. Horn Point Environmental Laboratories, University of Maryland	Microbiology.
Lucy, J. Virginia Institute of Marine Science	Marine biology, commercial and sport bivalve fisheries, marine recreation.
Marks, C. H. University of Maryland	Oil spill contaminment.
Mihursky, J. A. Chesapeake Biological Laboratory, University of Maryland	Pollutin ecology, discharges, impacts of regional planning decisions, estuarine community dynamics.
Orth, R. Virginia Institute of Marine Science	Submerged aquatic vegetation.

Osborne, C. G. Chesapeake Biological Laboratory, University of Maryland	Benthic and water column metabolism, pollution biology.
Price, D. Horn Point Environmental Laboratories, University of Maryland	Diffuse sources of pollution.
Rhodes, M. W. Virginia Institute of Marine Science	Bacteriology.
Roberts, M. H. Virginia Institute of Marine Science	Pollution effects on vertebrates and invertebrates in all life stages.
Ruddell, C. L. Virginia Institute of Marine Science	Histopathology, histochemistry, cell biology of marine metazoa.
Shelton, D. G. Chesapeake Biological Laboratory, University of Maryland	Pollution ecology.
Smith, C. L. Virginia Institute of Marine Science	Chemistry of oil pollution, organic geochemistry.
Southwick, C. The Johns Hopkins University	Fish and water quality in the Baltimore Harbor - Chesapeake Bay.
Spoon, D. M. Georgetown University	Protozoans and pollutants in the Potomac River - Chesapeake Bay.
Stevenson, J. C. Horn Point Environmental Laboratories, University of Maryland	Diffuse source nutrient and pollution loading by terrestrial and aquatic systems - Chesapeake Bay.
Su, C. W. Virginia Institute of Marine Science	Oil pollution, hydrocarbon chemistry.
Weiner, R. M. University of Maryland	Microbial ecology, pathogen input, microbial degradative processes.

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ANNEX II

Data Files

Effects of Boating and Shipping
on Water Quality

ANNEX II

Data Files

Part A

Data Files

Effects of Boating and Shipping
on Water Quality

The data files included in this section are arranged by EDBD accession number. This number should be used in inquiries to EDBD or in specific citations of files. However, for the purposes of this report, these files were assigned unique page numbers.

Files of areas adjacent to the Chesapeake Bay such as North Carolina, Delaware, New Jersey and Pennsylvania have been included when encountered.

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ENVIRONMENTAL DATA INDEX

THE ENCLOSED LISTING IS A SELECTION OF FILE DESCRIPTIONS FROM THE ENDEX SYSTEM. ITS PURPOSE IS TO GUIDE USERS WITH REQUIREMENTS FOR HISTORICAL ENVIRONMENTAL DATA TO HOLDERS OF THESE DATA.

THIS OUTPUT WAS SELECTED FROM THE ENTIRE FILE BASED ON CERTAIN CRITERIA SPECIFIED BY THE USER. THESE CRITERIA ARE REPEATED BELOW:

EDBD

THE OUTPUT IS IN TWO PARTS. FIRST IS A LISTING OF ALL THE EDBD'S SELECTED, PRINTED IN ID NUMBER ORDER. AT THE BACK OF EACH OUTPUT MAY BE A CROSS-INDEX, LISTING SUCH THINGS AS WHICH FILE DESCRIPTIONS DESCRIBE DATA COLLECTED ON EACH PLATFORM TYPE, OR WHICH FILE DESCRIPTIONS HAVE DATA IN EACH GRID LOCATOR. THIS SECTION WILL VARY DEPENDING ON THE REQUIREMENTS OF THE USER. THE ID NUMBER IS IN THE UPPER LEFT CORNER OF EACH FILE DESCRIPTION. THE FOLLOWING IS AN EXPLANATION OF FIELDS ON EACH PAGE.

FILE NAME -- TOP CENTER OF PAGE. IDENTIFIED BY DATA HOLDER. ALSO, TIME RANGE OF DATA COLLECTION.

PROJECTS -- LIST OF PROJECTS UNDER WHICH DATA CONTAINED IN FILES MAY HAVE BEEN COLLECTED.

GENERAL GEOGRAPHIC AREA -- BEGINS WITH CONTINENT OR OCEAN IN WHICH DATA WERE COLLECTED AND DESCRIBES SMALLER AND SMALLER AREAS TO GIVE USER A GENERAL AREA OF DATA COLLECTION.

ABSTRACT -- CONTAINS GENERAL INFORMATION ABOUT WHY THE DATA WERE COLLECTED AND WHERE, METHODS OF ANALYSIS AND PERTINENT CONCLUSIONS.

DATA AVAILABILITY -- CONTAINS RESTRICTIONS ON DATA USE, IF BLANK IT MEANS THERE ARE NO KNOWN RESTRICTIONS.

PLATFORM TYPES -- LIST OF TYPES OF PLATFORMS (IF ANY) USED TO COLLECT DATA.

ARCHIVE MEDIA -- MEDIA ON WHICH DATA ARE STORED AND A ROUGH ESTIMATE OF THE SIZE OF THE FILE.

FUNDING -- ORGANIZATION FUNDING THE DATA COLLECTION (IF KNOWN).

INVENTORY -- WHEN DETAILED INFORMATION ON STATION LOCATIONS, COUNTS OF OBSERVATIONS/SAMPLES, ETC. ARE AVAILABLE, IT WILL BE DENOTED HERE.

PUBLICATIONS -- PUBLICATIONS RESULTING FROM THIS DATA SET (LIST IS SOMETIMES CONDENSED).

CONTACT -- NAME, ADDRESS AND PHONE NUMBER OF PERSON TO CONTACT TO OBTAIN FURTHER INFORMATION OR ACTUAL COPIES OF DATA.

GRID LOCATOR -- A SERIES OF NUMBERS USED TO MAKE GEOGRAPHIC RETRIEVAL POSSIBLE ON A COMPUTER. LATITUDE AND LONGITUDE ARE COMBINED INTO A SINGLE NUMBER. THE WORLD METEOROLOGICAL ORGANIZATION (WMO) CODE IS USED TO IDENTIFY AREAS WHERE DATA WERE COLLECTED. THIS MAY BE A 4,6,8, OR 10 DIGIT NUMBER DEPENDING ON WHETHER THE DATA HOLDER CHOSE TO IDENTIFY AREAS DOWN TO 10-DEGREE SQUARES OF LATITUDE AND LONGITUDE OR TO 1-DEGREE, 10-MINUTE, OR 1-MINUTE SQUARES.

FOR A 4-DIGIT GRID LOCATOR THE NUMBERS ARE AS FOLLOWS:

DIGIT 1 -- QUADRANT OF WORLD: 1=NE, 3=SE, 5=SW, 7=NW.

DIGIT 2 -- TENS DIGIT OF LATITUDE.

DIGITS 3/4 -- HUNDREDS AND TENS DIGITS OF LONGITUDE.

THUS 7408 WOULD BE THE 10-DEGREE SQUARE OF WHICH THE POINT 40N AND 080W IS THE LOWER RIGHT HAND CORNER.

FOR A SIX DIGIT NUBMER, DIGITS 5 AND 6 REPRESENT THE UNITS DIGITS OF LATITUDE AND LONGITUDE. THUS 740825 WOULD IDENTIFY THE 1-DEGREE SQUARE OF 42N AND 085W.

WITH AN 8-DIGIT NUMBER, 74082534 REPRESENTS THE SQUARE AT 42-DEGREES, 30-MINUTES NORTH AND 085-DEGREES, 40-MINUTES WEST, OR 10-MINUTE SQUARE.

THE SMALLEST AREA IDENTIFIED IN THE SYSTEM IS A 1-MINUTE SQUARE, OR A 10-DIGIT GRID LOCATOR (E.G., 7408253415 IS 42-DEGRESS 31-MINUTES NORTH AND 085-DEGRESS, 45-MINUTES WEST).

PARAMETER IDENTIFICATION SECTION -- THIS PORTION OF THE FILE DESCRIPTION CONTAINS A LIST OF PARAMETERS MEASURED, THE SPHERE IT WAS MEASURED IN, THE METHODS USED AND THE UNITS OF MEASUREMENT. IN ADDITION, SUCH INFORMATION AS THE NUMBER OF MEASUREMENTS OF EACH PARAMETER AND THE FREQUENCY (IF REGULARLY SPACED) ARE REPORTED. A SPECIALIZED ENDEX VOCABULARY IS AVAILABLE DEFINING THE PARAMETER, SPHERE, AND METHOD TERMS USED.

QUESTIONS CONCERNING THIS OUTPUT SHOULD BE RELAYED TO THE NODC OCEANOGRAPHIC SERVICES BRANCH (202) 634-7500 OR TO THE DATA INDEX BRANCH (202) 634-7298.

17<

00006?

TRI-COUNTY COUNCIL FOR SOUTHERN MARYLAND WATER POLLUTION STUDIES
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, POTOMAC RIVER, PATUXENT RIVER

ABSTRACT:
MISSION W119, FLT. 3 ACCOMPLISHED WITH WALLOPS STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL CAMERAS ON APRIL 18, 1972. IN COOPERATION WITH TRI-COUNTY COUNCIL FOR SOUTHERN MARYLAND TO STUDY WATER POLLUTION. FLIGHT MADE IN CLEAR WEATHER, AIR TEMP. 0 DEG. C AT 10,500 FT., MSL WITH WIND OF 30 KNOTS FROM 290 DEG. (MISSION NO W119, FLT 3)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

Reproduced from best available copy.

ARCHIVE MEDIA:
PHOTOPRINTS
80 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

108

GRID LOCATOR (LAT):
730786 730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	6 STATIONS			6 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	80 OBS		10500 FT	6 INCH FOCAL LENGTH

000136

WATER QUALITY PROGRAM
DATA COLLECTED: JUNE 1962 TO PRESENT

RECEIVED: NOVEMBER 07, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, ANNE ARUNDEL COUNTY

ABSTRACT:
COUNTS OF FECAL COLIFORM BACTERIA HAVE BEEN MADE SINCE 1962 ON WATER SAMPLES TAKEN DURING A TEN WEEK PERIOD EACH SUMMER. SAMPLING STATIONS ARE NEAR PUBLIC RECREATION AREAS AT BODKIN CREEK, MAGOTHY RIVER, SEVERN RIVER, SOUTH RIVER, WEST RIVER AND HERRING BAY, ANNE ARUNDEL COUNTY, MARYLAND.
(DATA WILL EVENTUALLY BE TRANSFERED TO MAGNETIC TAPES; ALSO EVENTUALLY TO STORET)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
ONE FILE DRAWER OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
B SPENCER FRANKLIN 301-267-8151
ANNE ARUNDEL COUNTY HEALTH DEPARTMENT
3 BROAD CREEK PARKWAY
ANNAPOLIS MARYLAND USA 21401

GRAD LOCATOR (LAT):
73[illegible]B6 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	47 STATIONS			FROM 1962 TO 1972 THERE WERE 75 TO 100 STATIONS
TIME	EARTH	STATION TIME	YMW	8000 STATIONS	ONCE A WEEK FOR TEN WEEKS EACH SUMMER		FROM 1962 TO 1972 50 STATIONS WERE SAMPLED ONCE A WEEK FOR 10 WEEKS AND 25 TO 50 STATIONS WERE SAMPLED BIWEEKLY FOR

009

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF MICROBIOTA	WATER	VISUAL	CULTURE GROWTH (MPN)	2910	09[illegible]	1962 TO 1972 ONE PER STATION AFTER 1972 THREE PER STATION		10 WEEKS FECAL COLIFORM

19<

010

000144

AMBERLY STORM DRAINAGE PROJECT
DATA COLLECTED: AUGUST 1973 TO PRESENT

RECEIVED: NOVEMBER 07, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, RIDEOUT AND WHITEHALL CREEKS, ANNAPOLIS MARYLAND

ABSTRACT:
STUDY WILL MONITOR TOTAL AND FECAL COLIFORMS IN TWO CREEKS BEFORE, DURING AND AFTER THE AMBERLY STORM DRAINAGE PROJECT, ANNAPOLIS MD.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
ONE FOLDER OF DATA SHEETS.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
NANCY G DIMSDALE 301-268-8816
CHESAPEAKE BAY FOUNDATION
PRINCE GEORGE AND EAST STREETS
ANNAPOLIS MARYLAND USA 21404

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	YMD	3	STATIONS		SURFACE	STATIONS ARE ALONG THE SHORE
TIME	EARTH	STATION TIME	YMDH	12	OBS	ONCE A WEEK		
COUNT OF MICROBIOTA	WATER	VISUAL	CULTURE GROWTH (MPN)	12	OBS	ONCE A WEEK	SURFACE	FECAL COLIFORM, TOTAL COLIFORM
PH	WATER	COLORIMETRY	PH UNITS	12	OBS	ONCE A WEEK	SURFACE	
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	12	OBS	ONCE A WEEK	SURFACE	

SPA CREEK WATER QUALITY STUDY
DATA COLLECTED: APRIL 1972 TO NOVEMBER 1972

RECEIVED: NOVEMBER 07, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, SPA CREEK, ANNAPOLIS, MARYLAND

ABSTRACT:
WATER QUALITY PARAMETERS WERE MEASURED IN SPA CREEK DURING 1972. AN ATTEMPT WAS MADE TO IDENTIFY THE TYPES AND, SOURCES OF POLLUTANTS AND TO QUANTIFY THE CONTRIBUTION FROM EACH SOURCE.
(DATA SUMMARIZED IN FINAL REPORT JULY 1973)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

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ARCHIVE MEDIA:
DATA SHEETS
ONE FILE OF DATA SHEETS: ALSO FINAL REPORT.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
NANCY G DIMSDALE 301-268-8816
CHESAPEAKE BAY FOUNDATION
PRINCE GEORGE AND EAST STREETS
ANNAPOLIS MARYLAND USA 21404

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	[illegible]	STATIONS		SURFACE	FIVE STATIONS WERE IN CREEK, FIVE STATIONS AT STORM WATER DRAINAGE PIPES
TIME	EARTH	STATION TIME	YMC	[illegible]	OBS	TWICE A WEEK		
COUNT OF MICROBIOTA	WATER	VISUAL	CULTURE [illegible] (PPM)	[illegible]	OBS	TWICE A WEEK	SURFACE	TOTAL COLIFORM, FECAL COLIFORM
SALINITY	WATER	[illegible]	PARTS PER THOUSAND	[illegible]	[illegible]	TWICE A WEEK	SURFACE	
PH	WATER	COLORIMETRY	PH UNITS	[illegible]	[illegible]	TWICE A WEEK	SURFACE	
DISSOLVED OXYGEN GAS	WATER	TITRATION	PARTS PER MILLION	[illegible]	[illegible]	TWICE A WEEK	SURFACE	
NITRATE	WATER	COLORIMETRY	[illegible]	[illegible]	[illegible]	TWICE A WEEK	SURFACE	HACH CHEMICAL

21<

012

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
			MILLION					COLORIMETRIC FIELD UNIT; ANALYSES MADE ONLY FROM JULY THROUGH SEPT
NITRITE	WATER	COLORIMETRY	PARTS PER MILLION	230	OBS	TWICE A WEEK	SURFACE	HACH CHEMICAL COLORIMETRIC FIELD UNIT; ANALYSES MADE ONLY FROM JULY THROUGH SEPT
ORTHOPHOSPHATE	WATER	COLORIMETRY	PARTS PER MILLION	230	OBS	TWICE A WEEK	SURFACE	HACH CHEMICAL COLORIMETRIC FIELD UNIT; ANALYSES MADE ONLY FROM JULY THROUGH SEPT
UNREACTIVE PHOSPHATE	WATER	COLORIMETRY	PARTS PER MILLION	230	OBS	TWICE A WEEK	SURFACE	HACH CHEMICAL COLORIMETRIC FIELD UNIT; ANALYSES MADE ONLY FROM JULY THROUGH SEPT
PRECIPITATION AMOUNT	AIR	DIRECT	INCH	51	OBS	TWICE A WEEK		
RECREATION	WATER	BOATING	NUMBER	51	OBS	TWICE A WEEK		DIVIDED INTO SIZE CLASSES AND AREAS ALONG CREEK

DATA COLLECTED: DECEMBER 1970 TO DECEMBER 1970

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH, LYNNHAVEN

ABSTRACT:
MISSION W37, FLT. 1, DEC. 7, 1970, WITH WALLOPS STATION CHARTERED HELICOPTER EQUIPPED WITH 4 T-11 AERIAL CAMERAS IN COOPERATION WITH VA. BEACH HEALTH DEPT. OBJECTIVE - TO UTILIZE MULTI-CHANNEL PHOTOGRAPHY TO INVESTIGATE EFFECTS OF SEWAGE DISPOSAL IN ESTUARINE SYSTEMS. FLIGHT IN CLEAR WEATHER, SCATTERED CLOUDS, AIR TEMP. 8 DEG. C AT 4000 FT, MSL WITH WIND OF 25 KNOTS FROM 330 DEG.
(MISSION NO W37, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
152 9" X 9" FRAMES

Reproduced from best available copy.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	VISUAL	2	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAMS	152	[illegible]		4000 FT	6 INCH FOCAL LENGTH

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014

000201

BRANDYWINE RIVER POLLUTION STUDY
DATA COLLECTED: JULY 1973 TO JULY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, DELAWARE, BRANDYWINE RIVER

ABSTRACT:
MISSION W225, FLT. 1, JULY 5, 1973, WITH WALLOPS STATION HELICOPTER EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH CHESTER COUNTY HEALTH DEPT. AND THE U.S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN LARGE SCALE AERIAL PHOTOGRAPHY OF BRANDYWINE RIVER FROM ITS CONFLUENCE WITH THE DELAWARE RIVER AND INTERSECTION OF PENN. RT. 162 WITH ITS EAST AND WEST BRANCHES. IMAGERY TO BE USED FOR LOCATING POLLUTION OUTFALLS ON RIVER AND FOR LOCATING POSSIBLE DUMPING SITES OF ANIMAL OR HUMAN WASTE. FLIGHT IN SCATTERED CLOUDS, VISIBILITY UP TO 5 MILES, AIR TEMP. 18 DEG. C AT 1250 FT., MSL WITH WIND OF 10 KNOTS FROM 360 DEG.
(MISSION NO W225, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
490 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHM	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	490	OBS		304 OBS AT 600 FT, 186 OBS AT 1250 FT	152 MM FOCAL LENGTH

RECEIVED: JANUARY 01, 1976

25<

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, POTOMAC RIVER, YORK-PAMUNKEY-CHICKAHOMINY RIVERS, APPOMATTOX RIVER, ROANOKE RIVER, JOHN KERR RESERVOIR

ABSTRACT:
MISSION W233, FLT. 1, ACCOMPLISHED JULY 13, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH 4 HASSELBLAD CAMERAS AND A T-11 AERIAL MAPPING CAMERA, IN COOPERATION WITH NASA'S LANGLEY RES. CTR. OBJECTIVE - TO OBTAIN MULTI-SPECTRAL IMAGERY OF THE KERR RESERVOIR AND POTOMAC, YORK, AND CHICKAHOMINY RIVERS FOR USE IN WATER POLLUTION STUDIES. FLIGHT IN CLEAR WEATHER WITH VISIBILITY UP TO 6 MILES, AIR TEMP. 12 DEG. C AT 9500 FT., MSL WITH WIND OF 15 KNOTS FROM 315 DEG.
(MISSION NO W233, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
560 70 MM AND 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

916

GRID LOCATOR (LAT):
730787 730786 730776 730777 730768

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			14 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	14	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	560	OBS		9500 FT	40 MM AND 152 MM FOCAL LENGTH, MULTI-SPECTRAL

000298

SURFACE WATER QUALITY CHESAPEAKE BAY-ATLANTIC OCEAN
DATA COLLECTED: JULY 1972 TO PRESENT

RECEIVED: JANUARY 15, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY OCEANVIEW TO SANDBRIDGE

ABSTRACT:
FECAL COLIFORM BACTERIA ARE MONITORED AT MONTHLY INTERVALS FROM WATER SAMPLES OBTAINED ALONG THE SOUTH EASTERN COAST OF VIRGINIA, FROM OCEAN VIEW TO SANDBRIDGE.
(DATA OBTAINED BY VIRGINIA BEACH HEALTH DEPARTMENT AND NORFOLK CITY HEALTH DEPARTMENT)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
SEVERAL PAGES OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
M J OWENS, SANITARIAN SUPERVISOR 804 427 4261
VIRGINIA BEACH HEALTH DEPARTMENT
POST OFFICE BOX 6185, PRINCESS ANNE STATION
VIRGINIA BEACH VIRGINIA USA 23456

GRID LOCATOR (LAT):
730765 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	68 STATIONS			APPROXIMATELY 300' TO 400' OFFSHORE AT VARIOUS LOCATIONS FROM OCEAN VIEW TO SANDBRIDGE
TIME	EARTH	STATION TIME	YMD	600 OBS		SURFACE	TWO SAMPLES MONTHLY DURING MAY THROUGH SEPTEMBER, ONE MONTHLY DURING THE REST OF THE YEAR; NOT

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF MICROBIOTA	WATER	VISUAL	FECAL COLIFORM PER 100 ML	600 OBS		SURFACE	ALL STATIONS SAMPLED EACH MONTH TWO SAMPLES MONTHLY DURING MAY THROUGH SEPTEMBER, ONE MONTHLY DURING THE REST OF THE YEAR; NOT ALL STATIONS SAMPLED EACH MONTH

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0007B2

POST OIL SPILL SURVEY OF FISH

DATA COLLECTED: MAY 1971 TO JULY 1971

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LOWER YORK RIVER

ABSTRACT:
COUNT, LENGTH AND IDENTIFICATION OF FISHES AFTER OIL SPILL AT 4 STATIONS MEASURED WEEKLY FOR 3 MONTHS IN THE LOWER YORK RIVER. A 100 FOOT HAUL SEINE WAS USED TO CAPTURE BOTH DEMERSAL AND PELAGIC FISH

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
DATA SHEETS FOR 4 STATIONS MEASURED WEEKLY FOR 9 WEEKS - 36 OBS

FUNDING:

INVENTORY:

PUBLICATIONS:
REPORT TO BE SENT TO: NEWPORT NEWS SHIPBUILDING AND DRYDOCK COMPANY

CONTACT:
GEORGE GRANT 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	4	STATIONS	WEEKLY		
TIME	EARTH	STATION TIME	YMDHL	36	STATIONS	WEEKLY		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	36	OBS	WEEKLY	VARIOUS	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	36	OBS	WEEKLY	VARIOUS	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	36	OBS	WEEKLY	VARIOUS	WINKLER
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER HAUL	36	OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER HAUL	36	OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE
SPECIES	WATER	KEY	NUMBER OF	36	OBS	WEEKLY	VARIOUS	100 FOOT HAUL

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF PELAGIC FISH			SPECIES PER HAUL				SEINE
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER HAUL	36 OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE
LENGTH OF DEMERSAL FISH	WATER	FORK LENGTH	MILLIMETERS	36 OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE
LENGTH OF PELAGIC FISH	WATER	FORK LENGTH	MILLIMETERS	36 OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE

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020

000807

SEA WATER SURFACE FILM DATA
DATA COLLECTED: JUNE 1970 TO NOVEMBER 1970

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA, LOWER YORK RIVER

ABSTRACT:
40 SEAWATER SURFACE FILM SAMPLES WERE COLLECTED IN THE LOWER YORK RIVER USING A DRUM-SKIMMING DEVICE IN CALM WATER IN A 6 MONTH PERIOD. FATTY ACIDS AND ALIPHATIC HYDROCARBONS WERE EACH TESTED BY THIN LAYER CHROMATOGRAPHY AND GAS CHROMATOGRAPHY FOR 2 SAMPLES AT EACH STATION.
(SAMPLES COLLECTED WITH DRUM-SKIMMING DEVICE AND OBSERVATIONS ARE LIMITED TO CALM SEA CONDITIONS)

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
1 REPORT OF 40 BOTTLE STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS

CONTACT:
LIBRARIAN 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	40	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	40	STATIONS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	40	OBS			
FATTY ACIDS	WATER	THIN LAYER CHROMATOGRAPHY	MICRO GRAMS PER LITER	80	OBS		SURFACE TO SUB-SURFACE LESS THAN ONE METER	
FATTY ACIDS	WATER	GAS CHROMATOGRAPH Y	MICRO GRAMS PER LITER	80	OBS		SURFACE TO SUB-SURFACE LESS THAN ONE METER	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ALIPHATIC HYDROCARBONS	WATER	THIN LAYER CHROMATOGRAPHY	MICRO GRAMS PER LITER	80	OBS		SURFACE TO SUB-SURFACE LESS THAN ONE METER	
ALIPHATIC HYDROCARBONS	WATER	GAS CHROMATOGRAPH Y	MICRO GRAMS PER LITER	80	OBS		SURFACE TO SUB-SURFACE LESS THAN ONE METER	

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A CHECKLIST OF THE BIOTA OF LOWER CHESAPEAKE BAY
DATA COLLECTED: 1965 TO PRESENT

RECEIVED: JUNE 04, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
A REPORT OF BIOTA DISTRIBUTION IN THE LOWER CHESAPEAKE BAY. TAXONOMIC LISTS OF BENTHIC ANIMALS, BENTHIC PLANTS, PHYTOPLANKTON, PELAGIC FISH, MICROBIOTA, MAMMALS, BIRDS, REPTILES, AND AMPHIBIANS.

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
10 PARAMETERS, 3111 OBSERVATIONS.

FUNDING:

INVENTORY:

PUBLICATIONS:
SPECIAL SCIENTIFIC REPORT NO 65 REPORT INCLUDES COMMENTS ON THE DISTRIBUTION OF EACH SPECIES, LITERATURE CITATIONS, COMMON NAMES, INDEX

CONTACT:
LIBRARIAN 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730765 730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	4	STATIONS			LOCATION OCCURRENCE OF EACH SPECIES NOTED
TAXONOMIC LIST OF BENTHIC ANIMALS	BOTTOM-	KEY	NAMED AND LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED	1005	OBS			FREE LIVING INVERTEBRATES INCLUDED
TAXONOMIC LIST OF PHYTOPLANKTO N	WATER	KEY	NAMED AND LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED	1171	OBS			NUMBER INCLUDES HIGHER BENTHIC PLANTS AND PHYTOPLANKTON
TAXONCMIC LIST	WATER	KEY	NAMED AND	286	OBS			NUMBER INCLUDES

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF PELAGIC FISH			LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED				PELAGIC AND DEMERSAL FISH
TAXONOMIC LIST OF DEMERSAL FISH	WATER	KEY	NAMED AND LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED	286 OBS			NUMBER INCLUDES PELAGIC AND DEMERSAL FISH
TAXONOMIC LIST OF MICROBIOTA	WATER	KEY	NAMED AND LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED	25 OBS			
TAXONOMIC LIST OF MICROBIOTA	SEDIMENT	KEY	NAMED AND LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED	25 OBS			
TAXONOMIC LIST OF MAMMALS	WATER	KEY	NAMED AND LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED	41 OBS			MAMMALS OF WATER WETLANDS AND BARRIER ISLANDS
TAXONOMIC LIST OF BIRDS	AIR	KEY	NAMED AND LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED	220 OBS			
TAXONOMIC LIST OF REPTILES	LAND	KEY	NAMED AND LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED	59 OBS			COASTAL PLAIN OF VA AND MD
TAXONOMIC LIST OF AMPHIBIANS	WATER	KEY	NAMED AND LISTED IN TAXONOMIC ORDER COMMON NAME INCLUDED	43 OBS			COASTAL PLAIN OF VA AND MD

DATA COLLECTED: MAY 1973 TO PRESENT

RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, HAMPTON ROADS, ELIZABETH RIVER, JAMES RIVER, LAFAYETTE RIVER

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND WATER QUALITY PARAMETERS IN HAMPTON ROADS, VA. NEAR SEVERAL SEWERAGE TREATMENT PLANTS

DATA AVAILABILITY:
RESTRICTED, PERMISSION OF CONTRACTOR REQUIRED

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
SEVEN SAMPLING AREAS; TO BE EXPANDED TO 21 AREAS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DONALD ADAMS 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730766

0125

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	7	STATIONS	MONTHLY		STUDY TO BE EXPANDED TO 21 STATIONS
TIME	EARTH	STATION TIME	YMDL	7	STATIONS	MONTHLY		
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	21	OBS	MONTHLY	SURFACE TO BOTTOM	
NITRATE	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	21	OBS	MONTHLY	SURFACE TO BOTTOM	
NITRITE	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	21	OBS	MONTHLY	SURFACE TO BOTTOM	
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	21	OBS	MONTHLY	SURFACE TO BOTTOM	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	21	OBS	MONTHLY	SURFACE TO BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PARTS PER	21	OBS	MONTHLY	SURFACE TO	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	THOUSAND DEG C	21	OBS	MONTHLY	BOTTOM SURFACE TO	
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	MILLIGRAMS PER LITER	21	OBS	MONTHLY	BOTTOM SURFACE TO	
COUNT OF MICROBIOTA	WATER	VISUAL	NUMBER PER 100 MILLILITERS	21	OBS	MONTHLY	BOTTOM SURFACE TO BOTTOM	TOTAL COLIFORMS

WATER QUALITY SURVEY OF LOWER CHESAPEAKE BAY
DATA COLLECTED: MARCH 1973 TO MARCH 1973

RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
WATER QUALITY AND HYDROGRAPHIC SURVEY OF THE CHESAPEAKE BAY ON TRANSECTS FROM THE BAY MOUTH TO ANNAPOLIS, MD.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
20 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DONALD ADAMS 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	20	STATIONS			
TIME	EARTH	STATION TIME	YMDL	1	STATIONS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	66	OBS		SURFACE TO BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	66	OBS		SURFACE TO BOTTOM	
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	66	OBS		SURFACE TO BOTTOM	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	66	OBS		SURFACE TO BOTTOM	PERCENT SATURATION COMPUTED
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	66	OBS		SURFACE TO BOTTOM	
NITRATE	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	66	OBS		SURFACE TO BOTTOM	
PARTICULATE	WATER	MEMBRANE	MILLIGRAMS PER	66	OBS		SURFACE TO	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
MATTER		FILTRATION	LITER				BOTTOM	
DEPTH	WATER	WIRE LENGTH	FEET	66	OBS			DEPTH OF SAMPLE
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	MILLIGRAMS PER LITER	66	OBS		SURFACE TO BOTTOM	
CHEMICAL OXYGEN DEMAND	WATER	TITRATION	MILLIGRAMS PER LITER	66	OBS		SURFACE TO BOTTOM	
COUNT OF MICROBIOTA	WATER	VISUAL	NUMBER PER 100 MILLILITERS	66	OBS		SURFACE TO BOTTOM	FECAL COLIFORM
METHANE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	ML X10 -5 PER LITER	60	OBS		SURFACE TO BOTTOM	

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DATA COLLECTED: MARCH 1973 TO MARCH 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND POTOMAC RIVER, SOUTH RIVER, CAMBRIDGE-SECRETARY, PITTSVILLE-SALISBURY, SEVERN RIVER

ABSTRACT:
MISSION W196, FLT. 1, MARCH 19, 1973, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH 3 HASSELBLAD CAMERAS AND AAD-2 IR SCANNER IN COOPERATION WITH NASA'S LANGLEY RES. CTR. FOR THE EPA. OBJECTIVE - IMAGE WATER POLLUTION AND POLLUTION OUTFALLS ON POTOMAC, SEVERN AND SOUTH RIVERS. LAND FILLS WERE IMAGED OVER THE MARYLAND TOWNS OF SALISBURY, PITTSVILLE, SECRETARY, AND BLACKWATER. WEATHER OF BROKEN CLOUDS, VISIBILITY UP TO 7 MILES, AIR TEMP. 1 DEG. C AT 1000 FT., MSL WIND OF 30-40 KNOTS FROM 300 DEG. (MISSION NO W196, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
198 70 MM FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	99	OBS		1000 FT	AAD-2 SCANNER 20.1 MM FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	99	OBS		1000 FT	40 MM FOCAL LENGTH

DATA COLLECTED: MARCH 1973 TO MARCH 1973

RECEIVED: JANUARY 01, 1976

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PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
MISSION W199, FLIGHT 1, MARCH 28, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS AND A MICROWAVE RADIOMETER IN COOPERATION WITH THE NAVAL RESEARCH LABORATORY. THE OBJECTIVE OF THE FLIGHT WAS TO CORRELATE OIL SLICK DATA ACQUIRED FROM THE MICROWAVE RADIOMETER WITH IMAGERY TAKEN WITH AERIAL CAMERAS CONTAINING COLOR AND FALSE COLOR INFRARED FILM. CLEAR WEATHER VISIBILITY UP TO 5 MILES. AIR TEMPERATURE WAS 7 DEG. C AT 1500 FT. MSL, WIND OF 20 KNOTS FROM 045 DEG.
(MISSION NO W199, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
68 9 X 9 INCH FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			10 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	10	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	68	OBS		54 AT 1500 FT, 14 AT 3000 FT	152 MM FOCAL LENGTH
PHOTOGRAPH	EARTH	MICROWAVE SENSOR FROM AIRCRAFT	ELECTRONIC DATA	68	OBS		54 AT 1500 FT, 14 AT 3000 FT	

030

DATA COLLECTED: MARCH 1973 TO MARCH 1973
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
MISSION W199, FLIGHT 2, MARCH 29, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS AND A MICROWAVE RADIOMETER IN COOPERATION WITH THE NAVAL RESEARCH LABORATORY. THE OBJECTIVE OF THE FLIGHT WAS TO CONTINUE THE CORRELATION STARTED ON THE PREVIOUS DAY OF OIL SLICK DATA TAKEN BY THE MICROWAVE RADIOMETER WITH THAT RECORDED ON COLOR AND FALSE COLOR INFRARED AERIAL FILM. GOOD WEATHER, VISIBILITY UP TO 5 MILES. AIR TEMPERATURE WAS 13 DEG. C AT 1500 FT. MSL, WIND OF 12 KNOTS FROM 20 DEG.
(MISSION NO W199, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
34 9 X 9 INCH FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			11 FLIGHT LINES
PHOTOGRAPH	EARTH	MICROWAVE SENSOR FROM AIRCRAFT	ELECTRONIC DATA	34	OBS		1500 FT	
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	34	OBS		1500 FT	152 MM FOCAL LENGTH

ENVIRONMENTAL CONSULTATION-WETLANDS LYNNHAVEN AREA OF LOWER CHESAPEAKE BAY AND ELIZABETH RIVER

DATA COLLECTED: JUNE 1972 TO PRESENT

RECEIVED: AUGUST 08, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF LOWER CHESAPEAKE BAY, LYNNHAVEN BAY AND ELIZABETH RIVER, VA. DATA COLLECTED IN CONJUNCTION WITH CONTRACT WORK FOR CONTRACTORS AND LAND DEVELOPERS

DATA AVAILABILITY:
ON APPROVAL FROM CONTRACTOR

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
200 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL KIRK 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730775 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	200	STATIONS			
TIME	EARTH	STATION TIME	YMDL	200	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF INDIVIDUALS PER SPECIES	200	OBS			MARSH PLANTS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF INDIVIDUALS PER SPECIES	200	OBS			
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER ACRE	200	OBS			
COUNT OF BENTHIC	BOTTOM	VISUAL	NUMBER PER ACRE	200	OBS			

41<

032

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS								
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	POUNDS PER ACRE	200	OBS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	POUNDS PER ACRE	200	OBS			
SALINITY	WATER	HYDROMETER	PARTS PER THOUSAND	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
COUNT OF MICROBIOTA	WATER	VISUAL	CULTURE GROWTH (MPN)	14	OBS		SURFACE AND BOTTOM	COLIFORM, LYNNHAVEN AREA
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
NITRATE	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	FEET	14	OBS			LYNNHAVEN AREA
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT COMPOSITION	7	OBS		BOTTOM	LYNNHAVEN AREA

MULTI-CHANNEL OCEAN COLOR SENSOR AND HASSELBLAD, POTOMAC RIVER WATER POLLUTION STUDY

DATA COLLECTED: APRIL 1973 TO APRIL 1973 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, POTOMAC RIVER

ABSTRACT:
MISSION W204, FLIGHT 1, APRIL 13, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH FOUR HASSELBLAD CAMERAS AND A MULTI-CHANNEL OCEAN COLOR SENSOR (MOCS) IN COOPERATION WITH NASA'S LANGLEY RESEARCH CENTER FOR ENVIRONMENTAL PROTECTION AGENCY. THE OBJECTIVE OF THE FLIGHT WAS TO DIFFERENTIATE POLLUTION FROM NORMAL WATER IN THE POTOMAC RIVERS BY USING FOUR HASSELBLAD CAMERAS EQUIPPED WITH DIFFERING FILM/FILTER COMBINATIONS FOR PRODUCING SPECIFIC SPECTRAL RESPONSES IN CONJUNCTION WITH THE MULTI-CHANNEL OCEAN COLOR SENSOR (MOCS). CLEAR WEATHER, FEW SCATTERED CLOUDS. AIR TEMPERATURE 12 DEG. C AT 10,5000 FT. MSL, WIND OF 20 KNOTS FROM 300 DEG.
(MISSION NO W204, FLT 1)

DATA AVAILABILITY:
MISSION NO W204, FLT 1

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
192 70 MM FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730787 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			8 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	8	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	192	OBS		10500 FT	40 MM FOCAL LENGTH, MULTICHANNEL OCEAN COLOR SENSOR

DATA COLLECTED: MAY 1973 TO MAY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY

ABSTRACT:

MISSION W217, FLI. 1, MAY 8, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND NAVAL RES. LAB MICROWAVE RADIOMETER. OBJECTIVE - TO DETERMINE REMOTE SENSING CAPABILITY OF THE MIC- WAVE RADIOMETER FOR USE IN DETECTING AND LOCATING OIL SPILLS. WEATHER - MODERATELY HAZY EITH THIN OVERCAST, AIR TEMP. 18 DEG. C AT 1500 FT., MSL WITH A WIND OF 7 KNOTS FROM 147 DEG.
(MISSION NO W217, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
16 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			1 FLIGHT LINE
TIME	EARTH	SAMPLING TIME	YMDHML	8	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	16	OBS		1500 FT	152 MM FOCAL LENGTH MICROWAVE RADIOMETER

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DATA COLLECTED: MAY 1973 TO MAY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY

ABSTRACT:
MISS[illegible] W217, FLI. 2, MAY 9, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH NAVAL RES. LAB. OBJECTIVE - TO OBTAIN IMAGERY OF ANY REMAINS OF AN OIL SPILL THAT HAD TAKEN PLACE THE PREVIOUS DAY. WEATHER - MEDIUM OVERCAST, VISIBILITY UP TO 5 MILES, AIR TEMP. 18 DEG. C AT 1500 FT., MSL WITH A WIND OF 15 KNOTS FROM 180 DEG. (MISSION NO W217, FLT2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
21 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

036

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			1 FLIGHT LINE
TIME	EARTH	SAMPLING TIME	YMDHML	13	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	21	OBS		12 OBS AT 1500 FT, 6 OBS AT 2000 FT, 3 OBS AT 3000 FT	152 MM FOCAL LENGTH MICROWAVE RADIOMETER

001241

REMOTE SENSING OF OIL SLICKS
DATA COLLECTED: SEPTEMBER 1969 TO JULY 1972

RECEIVED: AUGUST 27, 1973

PROJECTS:
VIMS REMOTE SENSING

GENERAL GEOGRAPHIC AREA:
U S COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF OFF VIRGINIA, CHESAPEAAKE BAY, YORK RIVER, VA

ABSTRACT:
INTERPERTATION AND ANALYSIS OF REMOTE SENSING BY VARIABLE WAVELENGTH PHOTOGRAPHY OF OIL SPILLS FLOWN BY NASA WALLOPS STATION. PEPORT INCLUDES TYPE OF OIL SPILLED, OIL TEMP, ESTIMATED THICKNESS OF OIL AND RATE OF OIL SLICK SPREADING. (MISSION NO W19; W20; W30 FLT 1; W34; W35; W40; W55; W58; W77; W78 FLT7; W91 FLT 1 AND 2; W148; W156;)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
REPORTS
35 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
HAYDEN GORDON 804-642-2111 X97
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730775 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	4	STATIONS			
TIME	EARTH	STATION TIME	YMDL	16	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	1800	OBS			PHOTOGRAPHS AT WAVE-LENGTH BANDS: NEAR UV, BLUE, GREEN-YELLOW, RED, INFRA-RED, VIS COLOR, INFRARED COLOR

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DATA COLLECTED: JULY 1972 TO JULY 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, CHESAPEAKE LIGHT TOWER

ABSTRACT:
MISSION W148, FLT. 1, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND TEXAS INSTRUMENT RS-7 THERMAL SCANNER ON JULY 11, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. AT A LOCATION NEAR CHESAPEAKE LIGHT TOWER. OBJECTIVE - TO USE PASSIVE INFRARED AND FALSE COLOR IMAGERY TO STUDY DISPERSION OF A CONTROLLED OIL RELEASE. FLIGHT IN GOOD WEATHER WITH NO OVERCAST, SLIGHT HAZE, AIR TEMP. 21 DEG C AT 1000 FT., MSL WITH LIGHT AND VARIABLE WINDS. FIVE FRAMES INADVERTANT BETWEEN LINE/RUN 1/8 AND 1/9.
(MISSION NO 148 FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
114 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			1 FLIGHT LINE
TIME	EARTH	SAMPLING TIME	YMDHML	23	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	114	OBS		29 OBS AT 1000 FT, 20 OBS AT 1500 FT, 65 OBS AT 2000 FT	6 INCH FOCAL LENGTH WITH FALSE COLOR IMAGERY

DATA COLLECTED: AUGUST 1972 TO AUGUST 1972
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, CHESAPEAKE LIGHT TOWER

ABSTRACT:
MISSION W158, FLT. 1, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND H.R.B. SINGER AAD-2 THERMAL MAPPER ON AUG. 15, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. NEAR CHESAPEAKE LIGHT TOWER. OBJECTIVE - TO USE PASSIVE INFRARED, FALSE COLOR, AND NATURAL COLOR TO INVESTIGATE SURFACE OIL FILM THICKNESS AND DISPERSION FEATURES INFLUENCED BY WINDS AND CURRENTS. FLIGHT IN CLOUDY WEATHER WITH SLIGHT OVERCAST AND VERY HAZY, AIR TEMP. 25 DEG. C AT 1500 FT., MSL WITH WIND OF 15 KNOTS FROM 220 DEG.
(MISSION NO W158, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
51 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			1 FLIGHT LINE
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	51	OBS		1500 FT	6 INCH FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	51	OBS		1500 FT	20.1 MM LENGTH IR SCANNER

49<

DATA COLLECTED: JUNE 1973 TO JUNE 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, BRANDYWINE RIVER

ABSTRACT:
MISSION W224, FLT. 1, JUNE 12, 1973, WALLOPS STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE U. S. GEOLOGICAL SURVEY AND CHESTER COUNTY, PENN. HEALTH DEPT. OBJECTIVE - TO PROVIDE SUPPORT TO CHESTER COUNTY HEALTH DEPT. IN LOCATING POSSIBLE SOURCES OF ANIMAL AND/OR HUMAN WASTE MATERIALS IN CHADS FORD AREA OF BRANDYWIND RIVER.
(MISSION NO W224, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
72 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			1 FLIGHT LINE
TIME	EARTH	SAMPLING TIME	YMDHML	1	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	72	OBS		5500 FT	152 MM FOCAL LENGTH

010

MICROBIOTA SURVEY OF ELIZABETH RIVER-WESTERN BRANCH
DATA COLLECTED: JANUARY 1969 TO PRESENT

RECEIVED: MARCH 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, VIRGINIA, ELIZABETH RIVER

ABSTRACT:
SHORELINE SAMPLING STATIONS ARE MONITORED AT BIWEEKLY INTERVALS AND WATER SAMPLES ARE ANALYSED FOR TOTAL FECAL COLIFORM BACTERIA

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS; REPOPTS
SEVERAL NOTEBOOKS OF RECORDING FORMS; SEVERAL ANNUAL SUMMARY REPORTS

FUNDING:
VIRGINIA STATE DEPARTMENT OF HEALTH

INVENTORY:

PUBLICATIONS:

CONTACT:
M G PENDLETON JR; DIRECTOR OF ENVIRONMENTAL HEALTH 804 393 8649
DEPARTMENT OF PUBLIC HEALTH
800 CRAWFORD PARKWAY, P O BOX 250
PORTSMOUTH VIRGINIA USA 23705

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	6	STATIONS			
TIME	EARTH	STATION TIME	YMD	6	STATIONS	BIWEEKLY, 72 PER YEAR		MAY THROUGH NOVEMBER
COUNT OF MICROBIOTA	WATER	FILTRATION	DIRECT COLONY COUNT	6	STATIONS	BIWEEKLY, 72 PER YEAR	SURFACE	TOTAL FECAL COLIFORM

50<

51<

DATA COLLECTED: MAY 1960 TO PRESENT

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, HAMPTON ROADS, BACK RIVER

ABSTRACT:
BEACH WATER SAMPLES ARE ROUTINELY COLLECTED AT WEEKLY OR MONTHLY INTERVALS AND ANALYSED FOR TOTAL OR FECAL COLIFORM BACTERIA. (DATA COLLECTED FROM SHORE STATIONS)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
ONE 100 PAGE NOTEBOOK OF DATA SHEETS

FUNDING:
HAMPTON HEALTH DEPARTMENT

INVENTORY:

PUBLICATIONS:

CONTACT:
H C ASHTON, SUPERVISORY SANITARIAN 804 722 7411 X58
HAMPTON HEALTH DEPARTMENT
3130 VICTORIA BOULEVARD
HAMPTON VIRGINIA USA 23661

0.12

GRID LOCATOR (LAT):
730766 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	14 STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	14 STATIONS	20 TIMES PER YEAR PER STATION BEFORE 1972, 27 TIMES PER YEAR PER STATION, 1972 AND AFTER		SAMPLING WEEKLY FROM MAY TO SEPTEMBER AND MONTHLY OCTOBER THROUGH APRIL
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG F	14 STATIONS	280 PER YEAR BEFORE 1972, 380 PER YEAR 1972 AND	SURFACE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF MICROBIOTA	WATER	VISUAL	MOST PROBABLE NUMBER	14 STATIONS	AFTER 280 PER YEAR BEFORE 1972, 380 PER YEAR 1972 AND AFTER	SURFACE	TOTAL COLIFORM MEASURED FROM MAY 1960 THROUGH JUNE 1972: FECAL COLIFORM MEASURED FROM JULY 1972 TO PRESENT TIDAL STAGE ALSO NOTED
WEATHER	AIR	VISUAL	TYPE	14 STATIONS	280 PER YEAR BEFORE 1972, 380 PER YEAR 1972 AND AFTER		

DATA COLLECTED: MARCH 1970 TO JUNE 1971
RECEIVED: APRIL 15, 1974

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PROJECTS:
A BIOLOGICAL STUDY OF BALTIMORE HARBOR

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATAPSCO RIVER, BALTIMORE HARBOOR, MARYLAND

ABSTRACT:
SURVEY OF FISH EGGS AND LARVAE IN THE PATAPSCO RIVER AND BALTIMORE HARBOR DURING 1970 AND 1971. PLANKTON NET AND BEACH SEINE GEAR USED AT A TOTAL OF 26 STATIONS. SPECIES LISTS AND ABUNDANCE PRESENTED AS AN ASSESSMENT OF ECOLOGY AND UTILIZATION OF HABITAT BY FISHES.
(NRI REFERENCE NUMBER 71-76 FINAL REPORT)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 1 OF 120 PAGE REPORT

FUNDING:
MARYLAND DEPARTMENT NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

1.14

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	26	STATIONS			1 SITE VISIT
TIME	EARTH	STATION TIME	YMD	26	STATIONS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES PER STATION	26	OBS			EGG, LARVAE, AND JUVENILE FISHES TAKEN IN 5 MINUTE OBLIQUE TOW OF PLANKTON NET AND 50 FOOT BEACH SEINE
SPECIES	WATER	KEY	SPECIES PER	26	OBS			EGG, LARVAE,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF DEMERSAL FISH			STATION				AND JUVENILE FISHES TAKEN IN 5 MINUTE OBLIQUE TOW OF PLANKTON NET AND 50 FOOT BEACH SEINE
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SPECIES IN EACH SAMPLE	26 OBS			EGG, LARVAE, AND JUVENILE FISHES TAKEN IN 5 MINUTE OBLIQUE TOW OF PLANKTON NET AND 50 FOOT BEACH SEINE
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SPECIES IN EACH SAMPLE	26 OBS			EGG, LARVAE, AND JUVENILE FISHES TAKEN IN 5 MINUTE OBLIQUE TOW OF PLANKTON NET AND 50 FOOT BEACH SEINE

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DATA COLLECTED: MARCH 1970 TO JUNE 1971

RECEIVED: APRIL 15, 1974

PROJECTS:
A BIOLOGICAL STUDY OF BALTIMORE HARBOR

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATAPSCO RIVER, CHESTER RIVE R, BALTIMORE HARBOR, MARYLAND

ABSTRACT:
BENTHIC COMMUNITY SURVEY OF THE BALTIMORE HARBOR CONDUCTED ON A QUARTERLY SCHEDULE. 28 REPLICATED STATIONS IN PATAPSCO RIVER AND 8 IN THE CHESTER RIVER. DATA FILE INCLUDES HYDROGRAPHIC, SEDIMENT, SPECIES, ABUNDANCE, BIOMASS, AND COMMUNITY ANALYSIS. PROJECT ASSESSED ECOLOGICAL ASPECTS OF HARBOR AND RELATED THEM TO CONTROL HABITAT IN CHESTER RIVER. (NRI REFERENCE NUMBER 71-76 FINAL REPORT; DATA SHEETS H.T. PFITZENMEYER OF CBL HOLDS)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 2 OF A 120 PAGE REPORT

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	140	STATIONS			
TIME	EARTH	STATION TIME	YMD	140	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	140	OBS	QUARTERLY	BOTTOM	RS 5-3
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	140	OBS	QUARTERLY	BOTTOM	RS 5-3
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PART PER MILLION	140	OBS	QUARTERLY	BOTTOM	YSI MODEL 51A
DEPTH	WATER	WIRE LENGTH	FEET	140	OBS	QUARTERLY	BOTTOM	
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT SAND, CLAY, SILT	35	OBS			U.S. STANDARD SIEVE SERIES
SPECIES	BOTTOM	KEY	SPECIES PER	140	OBS	QUARTERLY		0.1 SQ METER

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF BENTHIC ANIMALS			STATION, PER RIVER, PER QUARTER					VAN VEEN GRAB, REPLICATE SAMPLES PER STATION
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES PER SAMPLE AND PER SQ METER	345	OBS	QUARTERLY		
WEIGHT OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	WEIGHT PER SPECIES PER SQ METER	315	OBS	QUARTERLY		
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	GRAMS PER SQ METER	315	OBS	QUARTERLY		
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	DIVERSITY, REDUNDANCY	315	OBS	QUARTERLY		

DATA COLLECTED: APRIL 1970 TO FEBRUARY 1971

RECEIVED: APRIL 15, 1974

57<

PROJECTS:
A BIOLOGICAL STUDY OF BALTIMORE HARBOR

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATAPSCO RIVER, BALTIMORE HARBOR, MARYLAND

ABSTRACT:
LENGTH FREQUENCY MEASUREMENTS OF FISHES CAPTURED BY TRAWL IN THE VICINITY OF BALTIMORE HARBOR. DISTRIBUTION AND ABUNDANCE OF FISHES RELATIVE TO INDUSTRIAL DEVELOPMENT OF SHORE LINE. COMMENTS ON APPARENT STRESS REACTIONS FOR MORONE AMERICANA. HARBOR DATA COMPARED TO CHESTER RIVER DATA.
(NRI REFERENCE NUMBER 71-76 FINAL REPORT)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 3 OF 120 PAGE REPORT

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

0-18

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	137	STATIONS			
TIME	EARTH	STATION TIME	YMD	137	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	137	OBS		BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	137	OBS		BOTTOM	
DEPTH	WATER	WIRE LENGTH	FEET	137	OBS		BOTTOM	
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SPECIES PER SAMPLE	137	OBS		BOTTOM	25 FOOT SEMI-BALLOON TRAWL, 5 MINUTE TOW, 1/2 INCH COD LINER

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SPECIES PER SAMPLE	137	OBS		BOTTOM	25 FOOT SEMI-BALLOON TRAWL, 5 MINUTE TOW, 1/2 INCH COD LINER
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES PER SAMPLE	137	OBS		BOTTOM	25 FOOT SEMI-BALLOON TRAWL, 5 MINUTE TOW, 1/2 INCH COD LINER
SPECIES DETEPMINATION OF DEMERSAL FISH	WATER	KEY	SPECIES PER SAMPLE	137	OBS		BOTTOM	25 FOOT SEMI-BALLOON TRAWL, 5 MINUTE TOW, 1/2 INCH COD LINER
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	MM	137	OBS		BOTTOM	FREQUENCY, MEAN, UP TO 50 FISH PER SPECIES
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MM	137	OBS		BOTTOM	FREQUENCY, MEAN, UP TO 50 FISH PER SPECIES

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001592

BLUE CRABS - BALTIMORE HARBOR
DATA COLLECTED: APRIL 1970 TO FEBRUARY 1971

RECEIVED: APRIL 15, 1974

PROJECTS:
A BIOLOGICAL STUDY OF BALTIMORE HARBOR

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATAPSCO RIVER, CHESTER RIVER, BALTIMORE HARBOR, MARYLAND

ABSTRACT:
ANALYSIS OF BLUE CRABS FOUND IN THE VICINITY OF BALTIMORE HARBOR. DATA COMPARED TO PARALLEL INFORMATION FROM CHESTER RIVER. FILE INCLUDES ABUNDANCE, SIZE AND SEX RATIO. TRAWL AND MODIFIED OYSTER DREDGE USED AS SAMPLING GEAR. (NRI REFERENCE NUMBER 71-76 FINAL REPORT)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 4 OF A 120 PAGE REPORT

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

050

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	144	STATIONS			
TIME	EARTH	STATION TIME	YMD	144	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	288	OBS		SURFACE AND BOTTOM	RS 5-3
SALINITY	WATER	CONDUCTIVITY	PART PER THOUSAND	288	OBS		SURFACE AND BOTTOM	RS 5-3
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SAMPLE	288	OBS			25 FOOT TRAWL AND MODIFIED 42 INCH OYSTER DREDGE
LENGTH OF BENTHIC	BOTTOM	DIRECT	0 PT 5 MM CARAPACE WIDTH	288	OBS			ALL CRABS LENGTH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS								FREQUENCY
SEX DETERMINATIO N OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER MALE AND FEMALE, ADULT AND JUVENILE	288	OBS			
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	288	OBS		BOTTOM	

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001611 BACTERIAL COUNTS TAKEN AT CBL PIER, SHELLFISH HATCHERY AND HORN POINT, 31 JULY - 5 SEPT 1973

DATA COLLECTED: JULY 1973 TO SEPTEMBER 1973

RECEIVED: APRIL 29, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
BACTERIAL COUNTS WERE MADE ON WATER SAMPLES OBTAINED WEEKLY FROM THREE LOCATIONS NEAR SOLOMONS MARYLAND FOR FIVE WEEKS DURING SUMMER OF 1973
(DATA REPORT CBL REF NO. 73-104)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 12 PAGE UNPUBLISHED DATA REPORT

FUNDING:
STATE OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281 X66
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	3	STATIONS			
TIME	EARTH	STATION TIME	YMD	5	OBS	WEEKLY		SAMPLES TAKEN AT BOTH LOW AND HIGH TIDAL STAGES, SEVERAL SAMPLES TAKEN OVER MARSH AT HORN POINT STATION
COUNT OF MICROBIOTA	WATER	VISUAL	MPN/100 ML	100	OBS		SURFACE, MID-DEPTH,	COLIFORM AND FECAL COLIFORM

052

00161: BACTERIAL COUNTS TAKEN AT CBL PIER, SHELLFISH HATCHERY AND HORN POINT, 31 JULY (CONT.) - 5 SEPT 1973

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
						BOTTOM	

63<

002009

BACTERIOLOGICAL AND HYDROGRAPHIC SEAWATER DATA

DATA COLLECTED: JANUARY 1925 TO PRESENT

RECEIVED: JUNE 18, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, EASTERN SHORE, VIRGINIA TIDAL TRIBUTARIES

ABSTRACT:
BIOLOGICAL DATA INCLUDING VARIOUS BACTERIOLOGICAL ANALYSES AND HYDROGRAPHIC DATA ARE OBTAINED FROM SELECTED STATIONS ALONG THE TIDAL COASTLINE OF VIRGINIA AT MONTHLY INTERVALS. HISTORIC DATA GOES BACK TO 1925 FOR SOME STATIONS AT INTERVALS RANGING FROM MONTHS TO YEARS. THE INFORMATION IS OBTAINED AS PART OF THE SANITARY SURVEY WHICH MONITORS THE FITNESS OF VIRGINIA TIDAL AREAS FOR OBTAINING SHELLFISH FOR DIRECT MARKETING

DATA AVAILABILITY:
GENERALLY AVAILABLE TO ANY CITIZEN OR AGENCY IN THE COMMONWEALTH UPON DECISION OF THE DIRECTOR

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
6 FILE CABINET DRAWERS OF DATA SHEETS

FUNDING:
VIRGINIA DEPARTMENT OF HEALTH

INVENTORY:

PUBLICATIONS:

CONTACT:
CLOYDE W. WILEY, DIRECTOR 804 770 7937
BUREAU OF SHELLFISH SANITATION
JAMES MADISON BLDG., 109 GOVERNOR STREET
RICHMOND VIRGINIA USA 23219

054

GRID LOCATOR (LAT):
730776 730766 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	4000	STATIONS			THE SHORELINE OF VIRGINIA HAS BEEN DIVIDED INTO 107 AREAS AND EACH OF THESE AREAS CONTAIN A NUMBER OF STATIONS
TIME	EARTH	STATION TIME	YMD	75000	OBS			MONTHLY SINCE 1972; QUARTERLY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							SINCE 1969; VARIOUS INTERVALS FROM MONTHS TO YEARS DEPENDING ON AREA AND STATION BEFORE 1969
COUNT OF MICROBIOTA	WATER	VISUAL	MPN	75000 OBS			1 OBS PER STATION FOR TOTAL COLIFORM DATING BACK TO 1925; FECAL COLIFORM DATING BACK TO APPROXIMATELY 1964; FECAL STREPTOCOCCI MEASURED SINCE 1972 IN ONLY THOSE AREAS WHICH SHOWED HIGH COLIFORM COUNTS
TEMPERATURE	WATER	VARIOUS	DEG F	20000 OBS	1 TO 5 IN EACH AREA	SURFACE	MONTHLY SINCE 1972; QUARTERLY SINCE 1969; VARIOUS INTERVALS FROM MONTHS TO YEARS DEPENDING ON AREA AND STATION BEFORE 1969
SALINITY	WATER	CONDUCTIVITY	PPT	20000 OBS	1 TO 5 IN EACH AREA	SURFACE	MONTHLY SINCE 1972; QUARTERLY SINCE 1969; VARIOUS INTERVALS FROM MONTHS TO YEARS DEPENDING ON AREA AND STATION BEFORE 1969
WEATHER	AIR	VISUAL	TYPE	10000 OBS	1 TO 5 IN EACH AREA		ALSO INCLUDED ARE WIND SPEED AND DIRECTION ESTIMATES AND TIDAL DIRECTION AND STAGE ESTIMATES

DATA COLLECTED: JANUARY 1940 TO PRESENT RECEIVED: JUNE 18, 1974

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PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, EASTERN SHORE, VIRGINIA TIDAL TRIBUTARIES

ABSTRACT:
THE TIDAL SHORELINE OF VIRGINIA HAS BEEN DIVIDED INTO 107 AREAS AND EVERY PROPERTY WITHIN THE WATERSHED OF EACH AREA IS VISITED BY INSPECTORS TO DETERMINE SOURCES OF WASTE WHICH MIGHT CONTRIBUTE TO SURFACE WATER POLLUTION. EACH AREA WILL BE SURVEYED AT SIX YEAR INTERVALS. HISTORICALLY THE SURVEY WORK WAS LESS FREQUENT, AND THE ENTIRE WATERSHED WAS NOT SURVEYED

DATA AVAILABILITY:
GENERALLY AVAILABLE TO ANY CITIZEN OR AGENCY IN THE COMMONWEALTH UPON DECISION OF THE DIRECTOR

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
6 FILE CABINET DRAWERS OF DATA SHEETS

FUNDING:
VIRGINIA DEPARTMENT OF HEALTH

INVENTORY:

PUBLICATIONS:

CONTACT:
CLOYDE W. WILEY, DIRECTOR 804 770 7937
BUREAU OF SHELLFISH SANITATION
JAMES MADISON BLDG., 109 GOVERNOR STREET
RICHMOND VIRGINIA USA 23219

GRID LOCATOR (LAT):
730776 730766 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	107 STATIONS			THE TIDAL SHORELINE OF VIRGINIA HAS BEEN DIVIDED INTO 107 SECTIONS WITH EACH SECTION BEING A STATION
TIME	EARTH	STATION TIME	YMD	300 OBS			HISTORICALLY, EACH SECTION OF SHORELINE

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							WAS SURVEYED INFREQUENTLY, FROM 1973 ON EACH AREA WILL BE SURVEYED AT SIX YEAR INTERVALS
LAND USE	LAND	VISUAL	POLLUTION SOURCE CATEGORY	100000 OBS			EACH PROPERTY WITHIN THE WATERSHED OF EACH SECTION OF SHORELINE IS VISITED BY INSPECTORS AND EACH SOURCE OF WASTE WHICH MIGHT CONTRIBUTE TO SURFACE WATER POLLUTION IS NOTED AND EVALUATED

DATA COLLECTED: JULY 1968 TO OCTOBER 1970

RECEIVED: AUGUST 09, 1974

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PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER

ABSTRACT:
TO DETERMINE THE EFFECTS OF THERMAL DISCHARGES BY THREE POWER PLANTS LOCATED ON THE DELAWARE RIVER BETWEEN TRENTON N.J. AND THE PA. - DEL. LINE, TWELVE SAMPLING STATIONS WERE USED TO OBTAIN WATER SAMPLES FOR ZOOPLANKTON, PHYTOPLANKTON AND BACTERIAL COUNTS AND MEASUREMENT OF CERTAIN NUTRIENTS.
(CONTRACT WORK DONE FOR THE INSTITUTE FOR THE DEVELOPMENT OF RIVERINE AND ESTUARINE SYSTEMS)

DATA AVAILABILITY:
REPORTS AVAILABLE ONLY FROM CONTRACT AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
TWO REPORTS: ONE 25 PAGES AND ONE 50 PAGES

FUNDING:
INSTITUTE FOR THE DEVELOPMENT OF RIVERINE AND ESTUARINE SYSTEMS

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN 215 567 3700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	12	STATIONS			4 SAMPLING STATIONS LOCATED NEAR EACH OF 3 POWER PLANTS
TIME	EARTH	STATION TIME	YMD	266	OBS	MONTHLY		23 MONTHLY SAMPLINGS AT 12 STATIONS
SPECIES DETERMINATION OF PHYTOPLANKTO	WATER	KEY	PRESENCE OR ABSENCE BY SPECIES	266	OBS	MONTHLY	SURFACE AND BOTTOM	20 LITERS OF WATER PUMPED THROUGH A NO.

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
N								20 MESH NET THEN FILTERED AND COUNTED
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	PRESENCE OR ABSENCE BY SPECIES	266	OBS	MONTHLY	SURFACE AND BOTTOM	20 LITERS OF WATER PUMPED THROUGH A NO. 20 MESH NET THEN FILTERED AND COUNTED
COUNT OF MICROBIOTA	WATER	VISUAL	PLATE COUNT	266	OBS	MONTHLY		TOTAL BACTERIA AND COLIFORM BACTERIA
PHOSPHATE	WATER	SPECTROPHOTOMETRY	PPM	266	OBS	MONTHLY		
NITRATE	WATER	SPECTROPHOTOMETRY	PPM	266	OBS	MONTHLY		
AMMONIA	WATER	SPECTROPHOTOMETRY	PPM	266	OBS	MONTHLY		
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	266	OBS	MONTHLY		
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	PPM	266	OBS	MONTHLY		
CHLORINE	WATER	TITRATION	PPM	266	OBS	MONTHLY		
TEMPERATURE	WATER	THERMISTOR	DEG C	266	OBS	MONTHLY		

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CHEMICAL, BACTERIOLOGICAL AND PHYSICAL STUDY ON THE CHESAPEAKE BAY IN THE VICINITY OF CALVERT CLIFFS, MARYLAND

DATA COLLECTED: JANUARY 1969 TO PRESENT

RECEIVED: AUGUST 09, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
WATER SAMPLES OBTAINED MONTHLY FROM STATIONS IN THE VICINITY OF THE PROPOSED NUCLEAR GENERATING STATION AT CALVERT CLIFFS, MARYLAND ARE ANALYSED FOR A NUMBER OF CHEMICAL, BACTERIOLOGICAL AND PHYSICAL PARAMETERS. THE RESULTS OF THESE ANALYSES ARE AVAILABLE FROM THE BALTIMORE GAS AND ELECTRIC COMPANY IN THE FORM OF YEARLY CONTRACT REPORTS BY THE PHILA. ACADEMY. (CONTRACT WORK DONE FOR THE BALTIMORE GAS AND ELECTRIC COMPANY)

DATA AVAILABILITY:
REPORTS AVAILABLE ONLY FROM CONTRACT AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
YEARLY REPORTS EACH APPROXIMATELY 100 PAGES

FUNDING:
BALTIMORE GAS AND ELECTRIC COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN   215 567 3700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	5	STATIONS			LOCATED ALONG 30 FT DEPTH CONTOUR NEAR SHORE
TIME	EARTH	STATION TIME	YMD	350	OBS	MONTHLY		
TEMPERATURE	WATER	THERMISTOR	DEG C	700	OBS	MONTHLY	SURFACE AND BOTTOM	
CHLORIDE	WATER	TITRATION	PPM	700	OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	700 OBS	MONTHLY	SURFACE AND BOTTOM	BECKMAN ZEROMATIC METER
SALINITY	WATER	CONDUCTIVITY	PPT	700 OBS	MONTHLY	SURFACE AND BOTTOM	
SILICATE	WATER	COLORIMETRY	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
SULFATE	WATER	GRAVIMETRY	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
ORTHOPHOSPHATE	WATER	COLORIMETRY	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
PHOSPHATE	WATER	COLORIMETRY	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
NITRATE	WATER	COLORIMETRY	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
NITRITE	WATER	COLORIMETRY	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
AMMONIA	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
HARDNESS	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	TOTAL, CALCIUM, MAGNESIUM
PHENOLPHTHALEIN ALKALINITY	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
TOTAL ALKALINITY	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	METHYL PURPLE INDICATOR
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
LIGHT ATTENUATIO N	WATER	SPECTROPHOTOMETRY	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	STANDARD METHODS PROCEDURE
CALCIUM	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	CALCULATED FROM CA HARDNESS VALUES
MAGNESIUM	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	CALCULATED FROM MG HARDNESS VALUES
CARBONATE ALKALINITY	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND BOTTOM	CALCULATED FROM PHENOLPHTHALEIN ALKALINITY
BICARBONATE	WATER	TITRATION	PPM	700 OBS	MONTHLY	SURFACE AND	CALCULATED FROM

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ALKALINITY							BOTTOM	METHYL PURPLE ALKALINITY
COUNT OF MICROBIOTA	WATER	VISUAL	NUMBER PER 100 ML	350	OBS	MONTHLY	SURFACE	TOTAL COLIFORM AND PRESUMPTIVE COLIFORM
IRON	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
MANGANESE	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
SODIUM	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
POTASSIUM	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
STRONTIUM	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
COBALT	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
COPPER	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
NICKEL	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
LEAD	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
ZINC	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
CALCIUM	WATER	SPECTROPHOTOMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
CADMIUM	WATER	COLORIMETRY	PPM	350	OBS	MONTHLY	SURFACE	BAUSCH AND LOMB SPECTRONIC 100
BORON	WATER	COLORIMETRY	PPM	350	OBS	MONTHLY	SURFACE	

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002442 BENTHIC SURVEY FOR SOFT-SHELL CLAM POPULATIONS NEAR CALVERT CLIFFS MARYLAND PAGE 01
DATA COLLECTED: AUGUST 1973 TO AUGUST 1973 RECEIVED: SEPTEMBER 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
OFFSHORES AREAS IN THE CHESAPEAKE BAY NEAR THE SITE OF THE PROPOSED CALVERT CLIFFS NUCLEAR GENERATING STATION WERE SURVEYED BY HYDRAULIC DREDGE TO LOCATE CLAM BEDS WHICH MIGHT POSSIBLY BE AFFECTED BY OPERATIONS OF THE POWER PLANT. RESULTS ARE AVAILABLE IN A 10 PAGE REPORT. DATA FROM THIS STUDY IS COMPARED TO A 1971 STUDY OF THE SAME AREA, WHICH IS ALSO AVAILABLE BUT CONTAINS NO DATA, AND AN INCREASE IN THE NUMBER OF SOFT SHELL CLAMS IS EVIDENT.
(CONTRACT WORK DONE FOR THE BALTIMORE GAS AND ELECTRIC COMPANY)

DATA AVAILABILITY:
REPORTS AVAILABLE ONLY FROM CONTRACT AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 10 PAGE REPORT

FUNDING:
THE BALTIMORE GAS AND ELECTRIC COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN 215 567 3700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	18	STATIONS			
TIME	EARTH	STATION TIME	YMD	18	OBS	ONCE	BOTTOM	
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS	18	OBS	ONCE		SOFT SHELL CLAMS ONLY; OBTAINED WITH 32 FT COMMERCIA L DREDGE WITH 3 FT HEAD; 5 MIN DREDGE, 4 TIMES AT EACH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								STATION
MORPHOMETRIC MEASURE OF BENTHIC ANIMALS	BOTTOM	DIRECT	SIZE RANGE	18	OBS	ONCE		GREATER THAN 57 MM, LESS THAN 57 MM; SOFT SHELL CLAMS ONLY
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	18	OBS	ONCE	BOTTOM	
SALINITY	WATER	TITRATION	PPT	18	OBS	ONCE	BOTTOM	
COUNT OF MICROBIOTA	WATER	VISUAL	VARIOUS	18	OBS	ONCE	BOTTOM	FECAL COLIFORM, NUMBER PER 100 G; TOTAL COLIFORM, NUMBER PER G

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064

DATA COLLECTED: JUNE 1968 TO PRESENT

RECEIVED: SEPTEMBER 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
TO DETERMINE THE ECOSYSTEM STRUCTURE AND ITS ECOLOGICAL CHARACTERISTICS, PARTICULARLY DIVERSITY, IN CERTAIN SELECTED, SHALLOW-WATER AREAS IN THE VICINITY OF THE CALVERT CLIFFS NUCLEAR GENERATING STATION A BAY SURVEY IS BEING CARRIED OUT INCLUDING BIOLOGICAL, CHEMICAL, PHYSICAL, AND BACTERIOLOGICAL STUDIES OF THE WATER. THE STUDY IS TO DETERMINE A BASE LINE FICTURE OF CHESAPEAKE BAY CONDITIONS BEFORE PLANT OPERATIONS BEGIN.
(CONTRACT WORK DONE FOR THE BALTIMORE GAS AND ELECTRIC COMPANY)

DATA AVAILABILITY:
REPORTS AVAILABLE ONLY FROM CONTRACT AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
FIVE 50 PAGE YEARLY REPORTS

FUNDING:
BALTIMORE GAS AND ELECTRIC COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN 215 567 3700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	4	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	40	OBS	TWICE PER YEAR		
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY	NUMBER OF SPECIES PER CLASS	40	OBS	TWICE PER YEAR	SHORE ZONE	ALGAE OBTAINED BY VARIED TECHNIQUES
SPECIES DETERMINATION	WATER	KEY	SPECIES, CLASS, TYPE	40	OBS	TWICE PER YEAR	SHORE ZONE	PROTOZOA OBTAINED BY

74

75<

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF MICROBIOTA							COLLECTING VARIOUS SUBSTRATES THAT WOULD PROVIDE MICROHABITATS; PLANKTON TOWS ALSO USED
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER STATION	40 OBS	TWICE PER YEAR	SHORE ZONE	VARIOUS COLLECTING MECHANISMS USED TO SAMPLE ALL BOTTOM TYPES
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER STATION	40 OBS	TWICE PER YEAR	SHORE ZONE	50 FT BAG SEINE WITH ONE-HALF INCH MESH USED; DENDROGRAMS OF SPECIES ASSOCIATIONS PRESENTED
TOTAL ALKALINITY	WATER	TITRATION	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
LIGHT ATTENUATION	WATER	COLORIMETRY	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
CHLORIDE	WATER	TITRATION	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER

066

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBT:INED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	PPM	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
SULFATE	WATER	TITRATION	PPM	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
SILICATE	WATER	COLORIMETRY	PPM	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER

067

76<

77<

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
BICARBONATE ALKALINITY	WATER	CALCULATED	PPM	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
CARBONATE ALKALINITY	WATER	CALCULATED	PPM	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
PH	WATER	COLORIMETRY	PH UNITS	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL	MICROMHOS	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER

068

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
SODIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
POTASSIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
IRON	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
MANGANESE	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
COUNT OF MICROBIOTA	WATER	VISUAL	COLONIES PER VOLUME SAMPLE	400 OBS	DAILY FOR ONE WEEK	SURFACE	TOTAL BACTERIA, COLIFORM BACTERIA
PHOSPHATE	WATER	COLORIMETRY	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
NITRATE	WATER	COLORIMETRY	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
NITRITE	WATER	COLORIMETRY	PPM	400 OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5

79<

070

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
AMMONIA	WATER	COLORIMETRY	PPM	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED .KJE LDAHL NITROGEN S-WATER M- COLORIMETRY U- PPM T-OBS Q- 400 F-DAILY FOR ONE WEEK H- SURFACE R- SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED
TOTAL SOLIDS	WATER	DRY WEIGHT	PPM	400	OBS	DAILY FOR ONE WEEK	SURFACE	SAMPLES OBTAINED AT 5 HIGH AND 5 LOW TIDES AT 4 STATIONS OVER A ONE WEEK PERIOD TWICE A YEAR; MEAN STD

071

80<

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							ERROR OF MEAN FOR HIGH AND LOW TIDE SAMPLINGS PRESENTED

003526

MICROBIOLOGICAL ANALYSIS OF ESTUARINE ENVIRONMENTS
DATA COLLECTED: JANUARY 1964 TO PRESENT

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., MARYLAND, CHESAPEAKE BAY

ABSTRACT:
ANALYSIS OF CHESAPEAKE BAY SEDIMENTS FOR BACTERIA AND VIRAL COMPONENTS WITH ANCILLARY DATA ON WATER TEMPERATURE, D.O., SALINITY, AND NUTRIENTS.

DATA AVAILABILITY:
COST OF REPRODUCTION IF SPECIFIC REPRINTS ARE NOT AVAILABLE, OR FOR TRANSFER OF RAW DATA

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL; PUNCHED CARDS
50,000 PUNCHED CARDS; 1 MAGNETIC TAPE

FUNDING:
UNIVERSITY OF MARYLAND

INVENTORY:

PUBLICATIONS:
APPROXIMATELY 100 PAPERS HAVE BEEN PUBLISHED AND REPRINTS OF MOST ARE AVAILABLE, WRITE DR. COLWELL

CONTACT:
DR. R.R. COLWELL 301 454 5376
UNIVERSITY OF MARYLAND
DEPARTMENT OF MICROBIOLOGY
COLLEGE PARK MARYLAND USA 20742

GRID LOCATOR (LAT):
730786 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	20	STATIONS			
TIME	EARTH	STATION TIME	YMDH	20	OBS	MONTHLY		
SPECIES DETERMINATION OF MICROBIOTA	SEDIMENT	KEY		20	OBS	MONTHLY	BOTTOM	
COUNT OF MICROBIOTA	SEDIMENT	VISUAL	NUMBER PER ML	20	OBS	MONTHLY	BOTTOM	
SPECIES DETERMINATION OF MICROBIOTA	WATER	KEY		20	OBS	MONTHLY	BOTTOM	
COUNT OF	WATER	VISUAL	NUMBER PER ML	20	OBS	MONTHLY	BOTTOM	

0073

82<

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
MICROBIOTA TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	20	OBS	MONTHLY	BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PPT	20	OBS	MONTHLY	BOTTOM	
NITROGEN	WATER	AUTOANALYZER	GRAMS PER LITER	20	OBS	MONTHLY	BOTTOM	
PHOSPHORUS	WATER	AUTOANALYZER	GRAMS PER LITER	20	OBS	MONTHLY	BOTTOM	
DISSOLVED OXYGEN GAS	WATER	TITRATION	GRAMS PER LITER	20	OBS	MONTHLY	BOTTOM	
CARBON	WATER	WET COMBUSTION/ GAS DISPLACEMENT	GRAMS PER LITER	20	OBS	MONTHLY	BOTTOM	
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	20	OBS	MONTHLY		

83<

074

DATA COLLECTED: OCTOBER 1973 TO OCTOBER 1973

RECEIVED: DECEMBER 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY

ABSTRACT:
MISSION W255, FLIGHT 01 WAS ACCOMPLISHED ON 16 OCTOBER, 1973. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN PHOTOGRAPHIC IMAGERY OF AN OIL SPILL FOR USE IN LOCATING THE POSITION OF THE AIRCRAFT IN RESPECT TO THE DATA TAKEN FROM THE MICROWAVE RADIOMETER. (MISSION NUMBER W255 FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
12 PHOTOPRINTS

FUNDING:
NASA

INVENTORY:

PUBLICATIONS:

CONTACT:
J. HOLLINGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	12	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	12	STATIONS			
PHOTOGRAPH	EARTH	MICROWAVE SENSOR FROM AIRCRAFT		12	STATIONS		1500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

85<

076

004439

YORK RIVER AND LOWER CHESAPEAKE BAY POLLUTION STUDIES
DATA COLLECTED: DECEMBER 1973 TO DECEMBER 1973

RECEIVED: DECEMBER 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY

ABSTRACT:
MISSION W259, FLIGHT 01 WAS ACCOMPLISHED ON 12 DECEMBER 1973. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY IN THE DARK GREEN, RED, AND NEAR INFRARED WAVE LENGTHS FOR USE IN STUDYING WATER POLLUTION IN THE YORK RIVER AND CHESAPEAKE BAY BRIDGE TUNNEL AREAS OF VIRGINIA.
(MISSION NUMBER W259 FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
33 PHOTOPRINTS

FUNDING:
NASA

INVENTORY:

PUBLICATIONS:

CONTACT:
G. GREW 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	2	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	2	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT		2	STATIONS		17,500 FEET	40 MM FOCAL LENGTH

OIL DISPERSION STUDY I

DATA COLLECTED: FEBRUARY 1974 TO FEBRUARY 1974

RECEIVED: DECEMBER 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA

ABSTRACT:
MISSION 263, FLIGHT 01 WAS ACCOMPLISHED ON 4 FEBRUARY, 1974. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY OIL DISPERSION PATTERNS AND SPILL THICKNESS USING AERIAL PHOTOGRAPHY.
(MISSION 263 FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
12 PHOTOPRINTS

FUNDING:
NASA

INVENTORY:

PUBLICATIONS:

CONTACT:
G. GREW 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

077

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	4	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	4	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT		4	STATIONS		1,500 FEET AND 2,500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

87<

DATA COLLECTED: FEBRUARY 1974 TO FEBRUARY 1974
RECEIVED: DECEMBER 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA

ABSTRACT:
MISSION W263, FLIGHT 02 WAS ACCOMPLISHED ON 5 FEBRUARY 1974. THE OBJECTIVE OF THE FLIGHT WAS TO ACT AS A FOLLOW UP TO MISSION W263, FLIGHT 01'S OIL SPILL PHOTOGRAPHS.
(MISSION W263 FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
99 PHOTOPRINTS

FUNDING:
NASA

INVENTORY:

PUBLICATIONS:

CONTACT:
J. HOLLINGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

078

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	19 STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	19 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT		19 STATIONS		1,500 AND 10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

DATA COLLECTED: JULY 1974 TO JULY 1974

RECEIVED: DECEMBER 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY

ABSTRACT:
MISSION W257, FLIGHT 1 WAS ACCOMPLISHED ON 17 JULY, 1974. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WATER POLLUTION DETECTION TECHNIQUES WHICH INCORPORATE ANALYSIS OF MULTISPECTRAL AERIAL PHOTOGRAPHY.
(MISSION W257 FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
355 PHOTOPRINTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
G. GREW 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730766 730775 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	5 STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	5 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT		5 STATIONS		17,500 AND 1,000 FEET	40 MM AND 152 AND FOUR-TENTHS MM FOCAL LENGTHS

079

88A

>68

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., PENNSYLVANIA

ABSTRACT:
THIS IS AN ONGOING STUDY OF THE QUALITY OF SURFACE WATERS OF PENNSYLVANIA. THERE ARE APPROXIMATELY 250 STATIONS FROM WHICH DATA ARE COLLECTED, MOST OF WHICH MONITOR STREAM DISCHARGE, TEMPERATURE, SPECIFIC CONDUCTIVITY AND DISSOLVED OXYGEN. IN ADDITION, ABOUT 200 STATIONS REPORT BIOCHEMICAL OXYGEN DEMAND, DISSOLVED CA, MG, NA, K, CL, F, SULFATE, NITRATE, ORTHOPHOSPHATE, CARBON DIOXIDE, BICARBONATE, AND CARBONATE, AS WELL AS PH, ALKALINITY, HARDNESS, NONCARBONATE HARDNESS AND COLOR. ABOUT 50 STATIONS ADDITIONALLY MONITOR DISSOLVED SILICA, FE AND MN, COLIFORM AND STREPTOCCI. SPOT CHECKS ARE MADE FOR SURFACTANTS, TURBIDITY, AND DISSOLVED AMMONIA, AL, AS, CD, CR, CU, PB, HG, NI, ZN AND A VARIETY OF PESTICIDES IN WATER AND SEDIMENTS. THE DATA ARE PRINTED ANNUALLY IN SUMMARY REPORTS. DETAILED DATA FROM MANY INDIVIDUAL STATIONS ARE AVAILABLE. (AVAILABLE AS ANNUAL REPORTS FOR ALL STATEWIDE MONITORS OR AS REPORTS FROM EACH STATION)

DATA AVAILABILITY:
ALSO IN ALL USGS OFFICIAL REPOSITORY LIBRARIES

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
300 PAGE INHOUSE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
F. DEMARTE 717 782 4514
UNITED STATES GEOLOGICAL SURVEY
228 WALNUT STREET
HARRISBURG PENNSYLVANIA USA 17108

080

GRID LOCATOR (LAT):
730794 730795 730796 730797 730798 730799 740704 740705 740706 740707 740708 740709 740714 740715 740716 740717 740718 740719
740724 740725 740726 740727 740728 740729

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT		250 STATIONS			MAP, VERBAL DESCRIPTION AND LATITUDE AND LONGITUDE GIVEN
TEMPERATURE	WATER	UNKNOWN	DEG C	250 STATIONS			
DISSOLVED	WATER	UNKNOWN	MILLIGRAMS PER	250 STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OXYGEN GAS			LITER				
ELECTRICAL CONDUCTIVITY	WATER	UNKNOWN	MICROMHOS	250 STATIONS			
BIOCHEMICAL OXYGEN DEMAND	WATER	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
CALCIUM	DISSOLVED	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
MAGNESIUM	DISSOLVED	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
SODIUM	DISSOLVED	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
POTASSIUM	DISSOLVED	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
FLUORIDE	DISSOLVED	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
NITRATE	DISSOLVED	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
DISSOLVED CARBON DIOXIDE GAS	WATER	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
BICARBONATE ION	WATER	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
TOTAL ALKALINITY	WATER	UNKNOWN	MILLIGRAMS CACO3 PER LITER	200 STATIONS			
SULFATE	WATER	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
CHLORIDE	WATER	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
ORTHOPHOSPHATE	WATER	UNKNOWN	MILLIGRAMS PER LITER	200 STATIONS			
HARDNESS	WATER	UNKNOWN	MILLIGRAMS CA AND MG PER LITER	200 STATIONS			ALSO NONCARBONATE HARDNESS
COLOR	WATER	PLATINUM-COBALT		200 STATIONS			
PH	WATER	UNKNOWN	PH UNITS	200 STATIONS			
SILICATE	DISSOLVED	UNKNOWN	MILLIGRAMS PER LITER	50 STATIONS			
IRON	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	50 STATIONS			
MANGANESE	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	50 STATIONS			
CARBONATE ION	WATER	UNKNOWN	MILLIGRAMS PER LITER	50 STATIONS			
COUNT OF MICROBIOTA	WATER	UNKNOWN	NUMBER PER 100 ML	50 STATIONS			IMMEDIATE COLIFORM, FECAL COLIFORM, AND STREPTOCOCCI
ORGANIC CARBON	WATER	UNKNOWN	MILLIGRAMS PER LITER	50 STATIONS			
LIGHT ATTENUATION	WATER	UNKNOWN	JTU	10 STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SURFACTANTS	WATER	UNKNOWN		10	STATIONS			METHYLENE BLUE ACTIVE SUBSTANCE
ALUMINUM	DISSOLVED	UNKNOWN	MILLIGRAMS PER LITER	10	STATIONS			
ARSENIC	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
CADMIUM	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
CHROMIUM	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
COPPER	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
LEAD	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
MERCURY	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
NICKEL	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
ZINC	DISSOLVED	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
AMMONIA	WATER	UNKNOWN	MILLIGRAMS PER LITER	10	STATIONS			
CHLOROPHYLL A	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	250	STATIONS			
ALDRIN	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
CHLORDANE	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
DDT	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
DDD	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
DDE	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
DIELDRIN	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
ENDRIN	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
HEPTACHLOR	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
LINDANE	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
2,4,5-T	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
2,4-D	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
TOXAPHENE	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			
SILVEX	WATER	UNKNOWN	MICROGRAMS PER LITER	10	STATIONS			

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082

LIPID GEOCHEMISTRY OF DELAWARE SALT MARSH ENVIRONMENTS
DATA COLLECTED: DECEMBER 1972 TO NOVEMBER 1973

RECEIVED: OCTOBER 03, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE TIDAL MARSH REGION

ABSTRACT:
DATA FROM THE EXAMINATION OF FREE FATTY ACIDS AND ALIPHATIC HYDROCARBONS IN A 4-METER CORE FROM THE GREAT SALT MARSH NEAR LEWES, DELAWARE AND IN ESTUARINE, TIDAL CREEK AND SURFACE MARSH SEDIMENTS ARE PRESENTED AND DISCUSSED IN REPORT FORM. THE SEDIMENT CORES ARE DIVIDED FOR ANALYSIS INTO 20 CM INTERVALS.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
97 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
SWETLAND, P.J., 1975. LIPID GEOCHEMISTRY OF DELAWARE SALT MARSH ENVIRONMENTS. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 97 P.

CONTACT:
PAUL J. SWETLAND 302 645 2869
GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

083

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	8	STATIONS			3 DELAWARE BAY STATIONS, 2 BROADKILL RIVER STATIONS, 2 MARSH SURFACE STATIONS, 1 MARSH SEDIMENT CORE
TIME	EARTH	STATION TIME	YMD	8	OBS			
SAND FRACTION	SEDIMENT	SETTLING/ WEIGHING	PERCENT BY WEIGHT	16	OBS			DELAWARE BAY SAMPLES NOT ANALYZED
CLAY FRACTION	SEDIMENT	SETTLING/	PERCENT BY	16	OBS			DELAWARE BAY

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
		WEIGHING	WEIGHT				SAMPLES NOT ANALYZED
SILT FRACTION	SEDIMENT	SETTLING/ WEIGHING	PERCENT BY WEIGHT	16 OBS			DELAWARE BAY SAMPLES NOT ANALYZED
ALIPHATIC HYDROCARBONS	SEDIMENT	COLUMN CHROMATOGRAPHY	MICROGRAMS PER GM	27 OBS			MARSH CORE SAMPLE NOT INCLUDED
FATTY ACIDS	SEDIMENT	COLUMN CHROMATOGRAPHY	MICROGRAMS PER GM	20 OBS			MARSH CORE SAMPLE NOT INCLUDED
ALIPHATIC HYDROCARBONS	SEDIMENT	GAS CHROMATOGRAPHY	PERCENT BY VOLUME OF CARBON NUMBER SPECIES PER TOTAL SPECIES	270 OBS			
FATTY ACIDS	SEDIMENT	GAS CHROMATOGRAPHY	PERCENT BY VOLUME OF CARBON NUMBER SPECIES PER TOTAL SPECIES	176 OBS			
SEDIMENT STRUCTURE	SEDIMENT	VISUAL	DESCRIPTIVE WORD RANGES	1 OBS			

93<

084

005144

DELAWARE ESTUARY WATER QUALITY SURVEILLANCE PROGRAM
DATA COLLECTED: JULY 1962 TO PRESENT

RECEIVED: MARCH 10, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, DELAWARE BAY, LOWER BAY ESTUARINE REGION, MARCUS HOOK PENNSYLVANIA TO TRENTON, NEW JERSEY

ABSTRACT:
SINCE JULY 9, 1962, THE WATER DEPARTMENT HAS CONDUCTED A WEEKLY SURVEY BY BOAT OF THE QUALITY OF THE ESTUARINE WATERS OF THE DELAWARE RIVER FROM MARCUS HOOK, PA, TO TRENTON, NJ. THE PROGRAM CONSISTS OF A WEEKLY COLLECTION OF GRAB SAMPLES FROM THE CENTER OF THE NAVIGATION CHANNEL AT EACH OF 23 STATIONS. EACH LOCATION IS FIXED BY THE PILOT OF THE BOAT BY REFERENCE TO BUOYS, RANGE LIGHTS, AND OTHER NAVIGATION AIDS. ANALYSES INCLUDE: MERCURY, ALUMINUM, TEMPERATURE, PH, ALKALINITY, TURBIDITY, DISSOLVED OXYGEN, BOD, COD, SPECIFIC CONDUCTANCE, CHLORIDES, ORTHO-AND POLY-PHOSPHATES, AMMONIA, NITRATE, NITRITE, PHENOLS, METHYLENE BLUE ACTIVE SUBSTANCES, CYANIDE, TOTAL COLIFORMS, FECAL COLIFORMS AND STREPTOCOCCI, ZINC, CALCIUM, MAGNESIUM, IRON, NICKEL, CADMIUM, COPPER, CHROMIUM, ARSENIC, MANGANESE, LEAD, AND BERYLLIUM.
(DATA FROM 1965 TO 1972 IS AVAILABLE IN STORET. ACCESS: A=PHILWDPT)

DATA AVAILABILITY:
WITH PERMISSION OF WATER COMMISSIONER, OR ON IBM CARDS AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS; DATA SHEETS
500 PAGE REPORT OR 9 PAGE SUMMARY

FUNDING:
PHILADELPHIA WATER DEPT

INVENTORY:

PUBLICATIONS:

CONTACT:
DENNIS D. BLAIR 215 686 1776
PHILADELPHIA WATER DEPT., RESEARCH AND DEVELOPMENT DIV.
1270 MSB 15TH AND JFK BLVD
PHILADELPHIA PENNSYLVANIA USA 19107

GRID LOCATOR (LAT):
7307954285 7307950058 7307950078 7307950084 7307950085 7307950086 7307950093 7307951005 7307950120 7307950200 7407040478
7407040485 7407040528 7407040523 7407040544 7407040546 7407040551 7407001415 7407001436 7407050002 7407050003 7407050011

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	23 STATIONS	1 STATION/WK		ACCURACY WITHIN 200 FT
TIME	EARTH	STATION TIME		23 STATIONS	1 STATION/WK		
TIDAL PHASE	WATER	TABLES		23 STATIONS	1 STATION/WK		
TEMPERATURE	WATER	THERMISTOR	DEG C	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW	

085

94<

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PH	WATER	PH METER	STANDARD PH UNITS	23 STATIONS	1 STATION/WK	SURFACE SLIGHTLY BELOW	
TOTAL ALKALINITY	WATER	TITRATION	MG/L AS CACO3	23 STATIONS	1 STATION/WK	SURFACE SLIGHTLY BELOW	
LIGHT SCATTERING COEFFICIENT	WATER	MULTISPECTRAL SCANNER	JACKSON TURBIDITY UNITS	23 STATIONS	1 STATION/WK	SURFACE SLIGHTLY BELOW	
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL/TEMPERATURE CORRECTED	MICROMHOS PER CM AT 25 DEG C	23 STATIONS	1 STATION/WK	SURFACE SLIGHTLY BELOW SURFACE	
SURFACTANTS	WATER	COLORIMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
CHEMICAL OXYGEN DEMAND	WATER	TITRATION	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
BIOCHEMICAL OXYGEN DEMAND	WATER	SPECIFIC ION ELECTRODE	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
COUNT OF MICROBIOTA	WATER	FILTRATION	COLONIES PER 100 MG	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	REPORTED AS TOTAL COLIFORMS FECAL COLIFOMS, AND FECAL STREPTOCOCCI
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
MERCURY	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
ALUMINUM	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
CHLORIDE	WATER	AUTOANALYZER	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
ORTHOPHOSPHATE	WATER	AUTOANALYZER	MG/L AS PO4	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
UNREACTIVE PHOSPHATE	WATER	AUTOANALYZER	MG/L AS PO4	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
AMMONIA	WATER	SPECIFIC ION ELECTRODE	MG/L AS N	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
NITRATE	WATER	AUTOANALYZER	MG/L AS N	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	

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086

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
NITRITE	WATER	AUTOANALYZER	MG/L AS N	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
PHENOLS	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
ARSENIC	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
BERYLLIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
CALCIUM	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
CADMIUM	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
COPPER	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
CHROMIUM	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
IRON	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
LEAD	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
MAGNESIUM	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
MANGANESE	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
NICKEL	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
ZINC	WATER	SPECTROPHOTOMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	
CYANIDE	WATER	COLORIMETRY	MG/L	23 STATIONS	1 STATION/WK	SLIGHTLY BELOW SURFACE	

97>

1188

005155

ENVIRONMENTAL IMPACT STATEMENT ON THE CONSTRUCTION AND OPERATION OF A DREDGED SPOIL DISPOSAL AREA IN LOGAN TOWNSHIP, GLOUCESTER CO., N.J.

DATA COLLECTED: 1971 TO 1971

RECEIVED: MARCH 27, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NEW JERSEY, GLOUCESTER COUNTY, LOGAN TOWNSHIP, COASTAL

ABSTRACT:
THIS REPORT IS AN ASSESSMENT OF ENVIRONMENTAL CHANGE THAT WOULD BE LIKELY TO RESULT FROM THE USE OF THE SITE FOR DISPOSAL OF DREDGE SPOILS. THE DATA ARE ALL EITHER FAUNAL INVENTORY OR WATER QUALITY DATA.
(REPORT FILED TO N.J. E.P.A., JOHN FITCH PLAZA, TRENTON, N.J. ON BEHALF OF AMERICAN DREDGING CO., 12 S. 12TH ST. PHILA, PA. 19107)

DATA AVAILABILITY:
AT COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
110 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. JAMES A. SCHMID 215 647 3110
JACK MCCORMICK AND ASSOCIATES
860 WATERLOO RD.
DEVON PENNSYLVANIA USA 19333

GRID LOCATOR (LAT):
73079541 73079542

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY		3	STATIONS			
SPECIES DETERMINATION OF REPTILES	WATER	KEY		3	STATIONS			
SPECIES DETERMINATION OF REPTILES	LAND	KEY		3	STATIONS			
SPECIES	LAND	KEY		3	STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF MAMMALS SPECIES DETERMINATION OF BIRDS	AIR	KEY		3 STATIONS			LISTED FOR EACH OF 6 ENVIRONMENTS
TIDAL PHASE	WATER	TABLES		6 STATIONS			3 SITES, EACH CHECKED ONCE AT HIGHTIDE, ONCE AT LOW TIDE
PERSISTENT FLOATING MATERIALS	WATER	VISUAL		6 STATIONS		SHALLOW WATER (CEDAR SWAMP)	3 SITES, EACH CHECKED ONCE AT HIGHTIDE, ONCE AT LOW TIDE
OIL SLICK OCCURRENCE	WATER	VISUAL		6 STATIONS		ON SURFACE	3 SITES, EACH CHECKED ONCE AT HIGHTIDE, ONCE AT LOW TIDE
PARTICULATE MATTER	WATER	GRAVIMETRY	MG/L	6 STATIONS		SHALLOW WATER (CEDAR SWAMP)	3 SITES, EACH CHECKED ONCE AT HIGHTIDE, ONCE AT LOW TIDE
SALINITY	WATER	STD	PPT	6 STATIONS		SHALLOW WATER (CEDAR SWAMP)	3 SITES, EACH CHECKED ONCE AT HIGHTIDE, ONCE AT LOW TIDE
PH	WATER	PH METER	PH UNITS	6 STATIONS		SHALLOW WATER (CEDAR SWAMP)	3 SITES, EACH CHECKED ONCE AT HIGHTIDE, ONCE AT LOW TIDE
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL/TEMPERATURE CORRECTED	MICROMHOS PER SQUARE CM	6 STATIONS		SHALLOW WATER (CEDAR SWAMP)	3 SITES, EACH CHECKED ONCE AT HIGHTIDE, ONCE AT LOW TIDE
LIGHT ATTENUATIO N	WATER	SPECTROPHOTOMETRY	JACKSON TURBIDITY UNITS	6 STATIONS		SHALLOW WATER (CEDAR SWAMP)	3 SITES, EACH CHECKED ONCE AT HIGHTIDE, ONCE AT LOW TIDE
COLOR	WATER	VISUAL	ADHA UNITS	6 STATIONS		SHALLOW WATER (CEDAR SWAMP)	3 SITES, EACH CHECKED ONCE AT HIGHTIDE, ONCE AT LOW TIDE
POSITION	EARTH	FIXED POINT		6 STATIONS			

DATA COLLECTED: 1957 TO 1972 RECEIVED: MARCH 27, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NEW JERSEY, GLOUCESTER COUNTY, COASTAL

ABSTRACT:
THIS REPORT IS AN ENVIRONMENAL IMPACT STATEMENT DISCUSSING THE SITE FOR A POTENTIAL HOUSING DEVELOPMENT. IT INCLUDES A COMPLETE REPORT ON SOIL CHARACTERISTICS AND SUITABILITY FOR VARIOUS PURPOSES, CLIMATIC, WATER QUALITY, HYDROLOGIC, GEOLOGIC, FAUNAL AND FLORAL DATA. IT HAS IN ADDITION AN EXTENSIVE BIBLIOGRAPHY. WATER ANALYSES WERE DONE BY AN INDEPENTENT LAB AND METHODS WERE NOT REPORTED.

DATA AVAILABILITY:
AT COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
APPROX 400 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. JAMES A. SCHMID 215 647 3110
JACK MCCORMICK AND ASSOCIATES
860 WATERLOO RD.
DEVON PENNSYLVANIA USA 19333

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SOIL TYPE	LAND	VISUAL		69	OBS	CONTINUOUS		MAP INCLUDED
SLOPE	LAND	DIRECT	PER CENT	69	OBS	ONE PER SOIL UNIT	NEAR SURFACE	
DEPTH	LAND	DIRECT	CM	69	OBS	ONE PER SOIL UNIT	NEAR SURFACE	
SIZE ANALYSIS	LAND	VISUAL		69	OBS	ONE PER SOIL UNIT	NEAR SURFACE	
ORGANIC CARBON	LAND	UNKNOWN	PER CENT	69	OBS	ONE PER SOIL UNIT	NEAR SURFACE	
WATER CONTENT	LAND	GRAVIMETRY	INCHES WATER/ INCH SOIL	69	OBS	ONE PER SOIL UNIT	NEAR SURFACE	
COMPRESSIBILITY	LAND	UNKNOWN		69	OBS	ONE PER SOIL	NEAR SURFACE	

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
						UNIT		
PERMEABILITY	LAND	VISUAL	INCHES WATER/ HOUR	69	OBS	ONE PER SOIL UNIT	NEAR SURFACE	
DEPOSITION	LAND	VISUAL		69	OBS	ONE PER SOIL UNIT	NEAR SURFACE	
SPECIES DETERMINATION OF BIRDS	AIR	KEY		18	OBS			3 OBS IN EACH OF 6 ENVIRONMENTS
SPECIES DETERMINATION OF MAMMALS	LAND	KEY		1	OBS			42 SPECIES, INCLUDES BATS
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY		1	OBS			
SPECIES DETERMINATION OF REPTILES	LAND	KEY		1	OBS			
SPECIES DETERMINATION OF REPTILES	WATER	KEY		1	OBS			
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY		1	OBS			
CHLORINE	WATER	UNKNOWN	PPM	504	STATIONS	18 STA TWICE/ YEAR		GROUNDWATER
PH	INTERSTITIAL	UNKNOWN	PH UNITS	504	STATIONS	18 STA TWICE/ YEAR		GROUNDWATER
IRON	INTERSTITIAL	UNKNOWN	PPM	504	STATIONS	18 STA TWICE/ YEAR		GROUNDWATER
FLUORINE	SEDIMENT	UNKNOWN	PPM	504	STATIONS	18 STA TWICE/ YEAR		GROUNDWATER
NITRATE	SEDIMENT	UNKNOWN	PPM	504	STATIONS	18 STA TWICE/ YEAR		GROUNDWATER
CALCIUM	SEDIMENT	UNKNOWN	PPM	504	STATIONS	18 STA TWICE/ YEAR		GROUNDWATER
HARDNESS	WATER	UNKNOWN	PPM	504	STATIONS	18 STA TWICE/ YEAR		GROUNDWATER
TOTAL SOLIDS	SEDIMENT	UNKNOWN	PPM	504	STATIONS	18 STA TWICE/ YEAR		GROUNDWATER
PH	WATER	UNKNOWN	PPM	90	STATIONS	ONCE ONLY		
HARDNESS	WATER	UNKNOWN	PPM	90	STATIONS	ONCE ONLY		
CHLORINE	WATER	UNKNOWN	PPM	90	STATIONS	ONCE ONLY		
DISSOLVED OXYGEN GAS	WATER	UNKNOWN	PPM	90	STATIONS	ONCE ONLY		
TOTAL ALKALINITY	WATER	TITRATION	PPM	90	STATIONS	ONCE ONLY		
COUNT OF MICROBIOTA	WATER	UNKNOWN	APPROXIMATE NUMBER PER VOLUME	90	STATIONS	ONCE ONLY		

DATA COLLECTED: JUNE 1972 TO PRESENT RECEIVED: JUNE 21, 1976

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PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
STARTED IN JUNE OF 1972, THIS IS A CONTINUING SURVEY OF THE NEKTON AND BENTHIC ORGANISMS IN THE AREA AROUND THE CHESAPEAKE BAY BRIDGE TUNNEL. PARAMETERS INCLUDE TEMPERATURE, SALINITY SPECIES DETERMINATIONS AND COUNTS, WEATHER AND SECCHI DISC DEPTH.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
1000 DATA SHEETS

FUNDING:
ANNE ARUNDEL COMMUNITY COLLEGE

INVENTORY:

PUBLICATIONS:

CONTACT:
HUGO G. GEMIGNAMI 301 647 7100
ANNE ARUNDEL COMMUNITY COLLEGE
101 COLLEGE PARKWAY
ARNOLD MARYLAND USA 21012

092

GRID LOCATOR (LAT):
?30776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	3	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	3	STATIONS	MONTHLY		
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	3	STATIONS	MONTHLY		
TEMPERATURE	WATER	THERMISTOR	DEG C	3	STATIONS	MONTHLY		
SALINITY	WATER	CONDUCTIVITY	PPT	3	STATIONS	MONTHLY		
WEATHER	AIR	VISUAL		3	STATIONS	MONTHLY		
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH		3	STATIONS	MONTHLY		
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		3	STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL		3 STATIONS	MONTHLY		
SPECIES DETERMINATION OF MICROBIOTA	WATER	KEY		3 STATIONS	MONTHLY		
COUNT OF MICROBIOTA	WATER	VISUAL		3 STATIONS	MONTHLY		

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DATA COLLECTED: JANUARY 1970 TO JULY 1971

RECEIVED: JUNE 21, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S. COASTAL, DELAWARE RIVER, PENNSYLVANIA, DELAWARE COUNTY, LITTLE TINICUM ISLAND

ABSTRACT:

THIS STUDY WAS A BASIC ECOLOGICAL INVENTORY OF LITTLE TINICUM ISLAND AND VICINITY INCLUDING WATER CHEMISTRY AND BIOLOGICAL SURVEY INFORMATION FROM THE ISLAND AND DELAWARE RIVER NEARBY. THE DATA, TAKEN IN 1970 AND 1971, INCLUDES WATER TEMPERATURE, PH, BOD, CHLORIDE, ORTHOPHOSPHATE, ORGANIC PHOSPHATE.
(THIS REPORT WAS PREPARED FOR THE PHILADELPHIA DISTRICT OF THE US ARMYCORPS OF ENGINEERS)

DATA AVAILABILITY:
AVAILABLE AT THE OFFICES OF JACK MCCORMICK AND ASSOCIATES IN BERWYN, PENNSYLVANIA

PLATFORM TYPES:
FIXED STATION; AIRCRAFT

ARCHIVE MEDIA:
REPORTS; CHARTS
1 MAP AND 78 PAGES

FUNDING:
US DEPPARTMENT OF DEFENSE, US ARMY NO. DACW61-71-C-0287

INVENTORY:

PUBLICATIONS:

094

CONTACT:
JACK MC CORMICK 215 647 9000
JACK MC CORMICK AND ASSOCIATES
511 OLD LANCASTER ROAD
BERWYN PENNSYLVANIA USA 19312

GRID LOCATOR (LAT):
7307952500

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	1 STATIONS	1/SEASON		WATER CHEMISTRY STATION LOCATED IN DELAWARE RIVER NEAR LITTLE TIMCUM ISLAND
TIME	EARTH	STATION TIME	YMD	4 OBS	1/SEASON		4 SEASONS WORTH DATA
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	4 OBS	1/SEASON	TOP OF WATER COLUMN	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
PH	WATER	PH METER	PH UNITS	4	OBS	1/SEASON	TOP OF WATER COLUMN	
CHLORIDE	WATER	TITRATION	PPM	4	OBS	1/SEASON	TOP OF WATER COLUMN	
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	PPM	4	OBS	1/SEASON	TOP OF WATER COLUMN	
NITRATE	WATER	SPECTROPHOTOMETRY	PPM	4	OBS	1/SEASON	TOP OF WATER COLUMN	
NITRITE	WATER	SPECTROPHOTOMETRY	PPM	4	OBS	1/SEASON	TOP OF WATER COLUMN	
ORGANIC PHOSPHORUS	WATER	SPECTROPHOTOMETRY	PPM	4	OBS	1/SEASON	TOP OF WATER COLUMN	
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	PPM	4	OBS	1/SEASON	TOP OF WATER COLUMN	
COUNT OF MICROBIOTA	WATER	VISUAL	COLONIES/100 ML	8	OBS	2/STATION/ SEASON	TOP OF WATER COLUMN	FECAL AND TOTAL COLIFORM COUNTED FOR EACH SAMPLING
LAND USE	LAND	AERIAL PHOTOGRAPH Y	ACRES/VEGETATION TYPE	1	STATIONS		LAND SURFACE	
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY	QUALITATIVE TERMS	1	STATIONS		LAND SURFACE	
TAXONOMIC LIST OF BIRDS	AIR	KEY	QUALITATIVE TERMS	1	STATIONS		LAND TO AIR	SIGHTINGS OF BIRDS INDICATED BY LISTING OF SPECIES OBSERVED
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER/SPECIES	1	OBS		WATER COLUMN	FISH SAMPLING AT SINGLE DELAWARE RIVER STATION NEAR LITTLE TINICUM ISLAND
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER/SPECIES	1	OBS		WATER COLUMN	FISH SAMPLING AT SINGLE DELAWARE RIVER STATION NEAR LITTLE TINICUM ISLAND

105<

096

DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

RECEIVED: AUGUST 30, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA

ABSTRACT:
MISSION W082, FLIGHT01, WAS ACCOMPLISHED ON AUGUST 30, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO INVESTIGATE THE USE OF REMOTE SENSING TECHNIQUES IN STUDYING FUEL OIL DISPERSION.
(MISSION W082, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
108 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	108	OBS			
TIME	EARTH	STATION TIME	YMD	108	OBS	4 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	108	OBS	4 FLIGHTS PER LINE	700, 750, 1500, 1700, 2000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA

ABSTRACT:
MISSION W085, FLIGHT01, WAS ACCOMPLISHED ON SEPTEMBER 14, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH THREE T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO COMPARE THE USE OF FALSE COLOR INFRARED FILM AGAINST BLACK AND WHITE PANCHROMATIC FILM FOR RECORDING THE DISPERSION OF A MANMADE OIL SLICK.
(MISSION W085, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
54 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	54	OBS			
TIME	EARTH	STATION TIME	YMD	54	OBS	3 FLIGHTS		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	54	OBS	3 FLIGHTS	1000, 2500, 4000, 4200, 5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PRINTS	54	OBS	3 FLIGHTS	1000, 2500, 4000, 4200, 5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

107<

00664

OIL SPILL DISPERSION STUDY I VIRGINIA
DATA COLLECTED: OCTOBER 1971 TO OCTOBER 1971

RECEIVED: AUGUST 30, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA

ABSTRACT:
MISSION W091, FLIGHT02, WAS ACCOMPLISHED ON OCTOBER 14, 1971, UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO RECORD THE DISPERSION OF A CONTROLLED OIL SPILL TWENTY-FOUR HOURS AFTER THE SPILL OCCURRED.
(MISSION W091, FLIGHT02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
57 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

098

GRID LOCATOR (LAT):
73076555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	57	OBS			
TIME	EARTH	STATION TIME	YMD	57	OBS	30 FLIGHTS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINT	57	OBS	30 FLIGHTS	500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

OIL SPILL DISPERSION STUDY II VIRGINIA
DATA COLLECTED: OCTOBER 1971 TO OCTOBER 1971

RECEIVED: AUGUST 30, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA

ABSTRACT:
MISSION W091, FLIGHT01, WAS ACCOMPLISHED ON OCTOBER 13, 1971, UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE DISPERSION OF A CONTROLLED OIL SPILL OFF THE CHESAPEAKE LIGHT AT THE ENTRANCE TO THE CHESAPEAKE BAY. (MISSION W091, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
70 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	70	OBS			
TIME	EARTH	STATION TIME	YMD	70	OBS	14 FLIGHTS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	70	OBS	14 FLIGHTS	2000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

109<
100

DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE LIGHT TOWER

ABSTRACT:
MISSION W075, FLIGHT06, WAS ACCOMPLISHED ON AUGUST 3, 1971, EQUIPPED WITH AN AAC-2 THERMAL INFRARED SCANNER IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO DETECT AN OIL SPILL OFF THE CHESAPEAKE LIGHT TOWER IN THE ATLANTIC OCEAN.
(MISSION W075, FLIGHT06)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
8 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	8 OBS			
TIME	EARTH	STATION TIME	YMD	8 OBS	3 FLIGHTS		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	8 OBS	3 FLIGHTS	500 AND 1000 FEET	20 AND ONE-TENTH MM FOCAL LENGTH

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA CHESAPEAKE BAY LIGHT

ABSTRACT:
MISSION W075, FLIGHT09, WAS ACCOMPLISHED ON SEPTEMBER 2, 1971, UTILIZING THE WALLOPS FLIGHT CENTER LEASED C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO IMAGE AN OIL SPILL IN THEATLANTIC OCEAN OFF THE CHESAPEAKE LIGHT TOWER.
(MISSION W075, FLIGHT09)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
40 9" X 9" PRINTS

FUNDING:
.NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	40	OBS			
TIME	EARTH	STATION TIME	YMD	40	OBS	20 FLIGHTS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	40	OBS	20 FLIGHTS	1500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

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DATA COLLECTED: MARCH 1971 TO MARCH 1971
RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY LIGHT

ABSTRACT:
MISSION W077, FLIGHT01, WAS ACCOMPLISHED ON AUGUST 3, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO DOCUMENT THE SPREAD OF A MAN MADE OIL SPILL ON BLACK AND WHITE, COLOR, AND FALSE COLOR INFRARED FILM AT ONE HOUR INTERVALS FROM 0900 TO 1500 DURING THE DAY.
(MISSION W077, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
112 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076555

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	7	OBS			
TIME	EARTH	STATION TIME	YMD	7	OBS	4 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PRINTS	7	OBS	4 FLIGHTS PER LINE	2000, 3000, 4000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	7	OBS	4 FLIGHTS PER LINE	2000, 3000, 4000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM	PRINTS	7	OBS	4 FLIGHTS PER	2000, 3000,	152 AND FOUR-

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
		AIRCRAFT			LINE	4000 FEET	TENTHS MM FOCAL LENGTH

DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY LIGHT

ABSTRACT:
MISSION W078, FLIGHT01, WAS ACCOMPLISHED ON AUGUST 4, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN PHOTOGRAPHY OF A MAN MADE OIL SPILL FOR USE IN STUDYING THE SPREADING AND THINNING CHARACTERISTICS OF THE OIL OVER AN EXTENDED PERIOD OF TIME.
(MISSION W078, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
100 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	100	OBS			
TIME	EARTH	STATION TIME	YMD	100	OBS	4 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	100	OBS	4 FLIGHTS PER LINE	4000 AND 5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., MARYLAND, BALTIMORE HARBOR

ABSTRACT:
MISSION W081, FLIGHT01, WAS ACCOMPLISHED ON AUGUST 25, 1971, UTILIZING A WALLOPS FLIGHT CENTER CHARTERED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BASE LINE DATA FOR THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE OF THE BALTIMORE HARBOR AND ITS INDUSTRIAL, COMMERCIAL, AND RESIDENTIAL BORDER AREAS.
(MISSION W081, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
90 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73079625

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	90	OBS			
TIME	EARTH	STATION TIME	YMD	90	OBS	4 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	90	OBS	4 FLIGHTS PER LINE	10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

115< 106

007215

QUINBY HARBOR, VIRGINIA
DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972

RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, QUINBY HARBOR

ABSTRACT:
MISSION W106, FLIGHT 03, WAS ACCOMPLISHED ON FEBRUARY 1, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE ACCOMACK-NORTHAMPTON PLANNING DISTRICT COMMISSION. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE SCALE COLOR IR IMAGERY OF THE QUINBY HARBOR AREA FOR USE IN FORMULATING LOCAL PLANNING POLICIES. (MISSION W106, FLIGHT 03)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
3 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	8	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	8	OBS	2 FLIGHTS		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	8	OBS	2 FLIGHTS	750 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

DATA COLLECTED: FEBRUARY 1973 TO FEBRUARY 1973

RECEIVED: OCTOBER 19, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, SOUTH RIVER AND SEVERN RIVER

ABSTRACT:
MISSION W189, FLIGHT 01, WAS ACCOMPLISHED ON FEBRUARY 22, 1973, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE NASA LANGLEY RESEARCH CENTER FOR THE ENVIRONMENTAL PROTECTION AGENCY. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE SCALE INFRARED PHOTOGRAPHIC IMAGERY OF THE CHESAPEAKE BAY AT THE JUNCTION OF THE BAY AND THE MOUTH OF THE SOUTH AND SEVERN RIVERS FOR SEWAGE OUTFALL DETECTION AND EUTROPHICATION STUDIES. (MISSION W189, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
230, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078634 730786 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	7	STATIONS			
TIME	EARTH	STATION TIME	YMD	7	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	7	OBS	1 FLIGHT PER LINE	700, 800, 1000, 3960, 10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

DATA COLLECTED: MAY 1972 TO MAY 1972 RECEIVED: OCTOBER 19, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY LIGHT TOWER

ABSTRACT:
MISSION W129, FLIGHT 02, WAS ACCOMPLISHED ON MAY 17, 1972, UTILIZING THE WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH AN AAD-2 THERMAL INFRARED SCANNER IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO ASSESS THE CAPABILITIES OF A THERMAL INFRARED SCANNER TO DETECT OIL SPILLS.
(MISSION W129, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
33, 70MM PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076554

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	3	STATIONS			
TIME	EARTH	STATION TIME	YMD	3	OBS	3 FLIGHTS		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	3	OBS	3 FLIGHTS	500 FEET	20 AND ONE-TENTH MM FOCAL LENGTH

SURFACE OIL DISPERSION-VIRGINIA
DATA COLLECTED: MAY 1972 TO MAY 1972

RECEIVED: OCTOBER 19, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY LIGHT TOWER

ABSTRACT:
MISSION W129, FLIGHT 01, WAS ACCOMPLISHED ON MAY 17, 1972, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO PROVIDE MULTISPECTRAL PHOTOGRAPHY OF A MAN-MADE OIL SPILL FOR USE IN STUDING THE DISPERSION CHARACTERISTICS OF THE OIL OVER AN EXTENDED PERIOD OF TIME.
(MISSION W129, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
96, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076554

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	16	STATIONS			
TIME	EARTH	STATION TIME	YMD	16	OBS	16 FLIGHTS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	16	OBS	16 FLIGHTS	1000, 1500, 2000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

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ENVIRONMENTAL ASSESSMENT OF WOODBURY CREEK MARSHES
DATA COLLECTED: MAY 1974 TO NOVEMBER 1974

RECEIVED: JUNE 21, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., COASTAL, NEW JERSEY, GLOUCESTER COUNTY, WOODBURY CREEK, HESSIAN RUN

ABSTRACT:
THIS STUDY DONE TO EVALUATE WOODBURY CREEK MARSHES AS THEY EXIST TO DETERMINE POTENTIAL IMPACTS DUE TO A PROPOSED ROUT2 I-295 INTERSECTION. INCLUDED IN THIS EXISTING CONDITIONS STUDY WERE DATA ON BASIC VEGETATION, ANIMAL COMMUNITIES, PRODUCTIVITY, AND WATER QUALITY CHEMISTRY.
(THIS REPORT WAS PREPARED FOR NEW JERSEY TRANSPORTATION DEPARTMENT)

DATA AVAILABILITY:
AVAILABLE THROUGH RUTGERS MARINE SCIENCE CENTER NEW BRUNSWICK, NEW JERSEY AS TECHNICAL REPORT 75-2

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
105 PAGES

FUNDING:
STATE OF NEW JERSEY, DEPARTMENT OF TRANSPORTATION

INVENTORY:

PUBLICATIONS:

110

CONTACT:
RALPH GOOD 609 757 6146
RUTGERS UNIVERSITY
BIOLOGY DEPARTMENT
CAMDEN NEW JERSEY USA 08102

GRID LOCATOR (LAT):
7307955100

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP POSITIONS	8	STATIONS		LAND SURFACE TO WATER COLUMN	
TIME	EARTH	STATION TIME	YMD	8	STATIONS	MONTHLY OR BIMONTHLY	LAND SURFACE TO WATER COLUMN	
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	48	OBS	MONTHLY		
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG/L	48	OBS	MONTHLY		
TOTAL SOLIDS	SUSPENDED	DRY WEIGHT	MG/L	48	OBS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TOTAL DISSOLVED SOLIDS	DISSOLVED	DRY WEIGHT	MG/L	48	OBS	MONTHLY		
PHOSPHATE	WATER	SPECTROPHOTOMETRY	MG/L	48	OBS	MONTHLY		
KJELDAHL NITROGEN	WATER	SPECTROPHOTOMETRY	MG/L	48	OBS	MONTHLY		
COUNT OF PHYTOPLANKTON	WATER	COUNTING CHAMBER	NUMBER/SPECIES	48	OBS	MONTHLY		
SPECIES DETERMINATION OF PHYTOPLANKTON	WATER	KEY	NUMBER/SPECIES	48	OBS	MONTHLY		
COUNT OF MICROBIOTA	WATER	VISUAL	COLONIES/100 ML	48	OBS	MONTHLY		
COUNT OF BIRDS	AIR	VISUAL		24	OBS	BIMONTHLY		
SPECIES DETERMINATION OF BIRDS	AIR	KEY		24	OBS	BIMONTHLY		
COUNT OF PELAGIC FISH	WATER	VISUAL		24	OBS	BIMONTHLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		24	OBS	BIMONTHLY		
COUNT OF MAMMALS	LAND	VISUAL		24	OBS	BIMONTHLY		
COUNT OF REPTILES	LAND	VISUAL		24	OBS	BIMONTHLY		
COUNT OF AMPHIBIANS	WATER	VISUAL		24	OBS	BIMONTHLY		
SPECIES DETERMINATION OF MAMMALS	LAND	KEY		24	OBS	BIMONTHLY		
SPECIES DETERMINATION OF REPTILES	LAND	KEY		24	OBS	BIMONTHLY		
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY		24	OBS	BIMONTHLY		

DATA COLLECTED: MAY 1974 TO MAY 1974
RECEIVED: NOVEMBER 23, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, VIRGINIA

ABSTRACT:
MISSION W273, FLIGHT 01, WAS ACCOMPLISHED ON MAY 22, 1974, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND A MULTICHANNEL OCEAN COLOR SENSOR IN COOPERATION WITH NASA'S LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WATER POLLUTION IN THE AREA OF THE MOUTH OF THE CHESAPEAKE BAY.
(MISSION W273, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
73, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077543 73077555 73077650 73076650

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	78	OBS			
TIME	EARTH	STATION TIME	YMD	78	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	78	OBS	1 FLIGHT PER LINE	3000, 6000, 17,500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

AN ENVIRONMENTAL INVENTORY OF THE QUEEN ANNE'S HARBOR TRACT
DATA COLLECTED: SEPTEMBER 1973 TO DECEMBER 1973

RECEIVED: JULY 26, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, ANNE ARUNDEL COUNTY, BOOKIN NECK AREA

ABSTRACT:
BIOLOGICAL, PHYSICAL, AND CHEMICAL PARAMETERS WERE COLLECTED FROM SEPTEMBER THROUGH DECEMBER, 1973 TO PRODUCE A DATA BASELINE FOR THE QUEEN ANNE'S HARBOR, BROOKIN NECK AREA, MARYLAND. PARAMETERS INCLUDE SPECIES COUNT OF PLANTS, ANIMALS, AND FISH, NUTRIENTS, TEMPERATURE, SALINITY, METALS, TURBIDITY, AND DISSOLVED SOLIDS AND GASES.
(PROJECT CARRIED OUT BY JACK MCCORMICK AND ADDOCIATES FOR STATE OF MARYLAND)

DATA AVAILABILITY:
AVAILABLE UPON REQUEST FROM JACK MCCORMICK AND ASSOCIATES OFFICE IN BERWYN, PENNSYLVANIA

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
85 PAGES

FUNDING:
STATE OF MARYLAND, DEPARTMENT OF NATURAL RESURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
JACK MCCORMICK 215 647 9000
JACK MCCORMICK AND ASSOCIATES
511 OLD LANCASTER ROAD
BERWYN PENNSYLVANIA USA 19312

GRID LOCATOR (LAT):
7307963100

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	13	STATIONS	1 SURVEY		
TIME	EARTH	STATION TIME	YMD	13	STATIONS	1 SURVEY		
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY	QUALITATIVE	1	STATIONS	1 SURVEY		
COUNT OF BIRDS	AIR	VISUAL	QUALITATIVE	6	STATIONS	1 SURVEY		
SPECIES DETERMINATION OF BIRDS	AIR	KEY	QUALITATIVE	6	STATIONS	1 SURVEY		
COUNT OF AMPHIBIANS	WATER	VISUAL	QUALITATIVE	6	STATIONS	1 SURVEY		
SPECIES	WATER	KEY	QUALITATIVE	6	STATIONS	1 SURVEY		

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF AMPHIBIANS SPECIES	LAND	KEY	QUALITATIVE	6 STATIONS	1 SURVEY		
DETERMINATION OF MAMMALS COUNT OF MAMMALS	LAND	VISUAL	QUALITATIVE	6 STATIONS	1 SURVEY		
TEMPEFATURE	WATER	RESISTANCE THERMOMETER	DEG C	13 STATIONS	1 SURVEY		
SALINITY	WATER	CONDUCTIVITY	PARTS/THOUSAND	13 STATIONS	1 SURVEY		
ELECTFICAL CONDUCTIVITY	WATER	LAB CONDUCTIVITY CELL	MHOS/CENTIMETER	13 STATIONS	1 SURVEY		
PH	WATER	PH METER	PH UNITS	13 STATIONS	1 SURVEY		
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAM/LITER	13 STATIONS	1 SURVEY		
ORGANIC CARBON	WATER	AUTOANALYZER	MILLIGRAM/LITER	13 STATIONS	1 SURVEY		
KJELDAHL NITROGEN	WATER	SPECTROPHOTOMETRY	MILLIGRAM/LITER	13 STATIONS	1 SURVEY		
PHOSPHATE	WATER	SPECTROPHOTOMETRY	MILLIGRAM/LITER	13 STATIONS	1 SURVEY		
SULFATE	WATER	SPECTROPHOTOMETRY	MILLIGRAM/LITER	13 STATIONS	1 SURVEY		
SULFIDE	WATER	TITRATION	MILLIGRAM/LITER	13 STATIONS	1 SURVEY		
LIGHT ATTENUATIO N	WATER	COLORIMETRY	FTU	13 STATIONS	1 SURVEY		
COLOR	WATER	COLORIMETRY	PLATINUM-COBALT UNITS	39 OBS	3 OBS/STATION		
ZINC	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
MERCUFY	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
COPPER	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
IRON	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
LEAD	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
KJELDAHL NITROGEN	SEDIMENT	SPECTROPHOTOMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
SULFIDE	SEDIMENT	TITRATION	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
PHOSPHATE	SEDIMENT	SPECTROPHOTOMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
CHEMICAL OXYGEN DEMAND	SEDIMENT	DIGESTION	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
OILS	SEDIMENT	EXTRACTION/ WEIGHT	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
ZINC	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
MERCURY	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
COPPER	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
IRON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		
LEAD	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39 OBS	3 OBS/STATION		

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER/1000 SQUARE FOOT SEINE AREA	20	OBS	5 OBS/SURVEY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER/1000 SQUARE FOOT SEINE AREA	20	OBS	5 OBS/SURVEY		
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/SQUARE FOOT	13	STATIONS	1 SURVEY		
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER/SQUARE FOOT	13	STATIONS	1 SURVEY		
COUNT OF ZOOPLANKTON	WATER	VISUAL	NUMBER/CUBIC METER	3	OBS	1 SURVEY		
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	NUMBER/CUBIC METER	3	OBS	1 SURVEY		
COUNT OF PHYTOPLANKTON	WATER	VISUAL	NUMBER/CUBIC METER	3	OBS	1 SURVEY		
SPECIES DETERMINATION OF PHYTOPLANKTO N	WATER	KEY	NUMBER/CUBIC METER	3	OBS	1 SURVEY		
COUNT OF MICROBIOTA	WATER	VISUAL	NUMBER/100 MILLILITER	39	OBS	3 OBS/STATION		TOTAL BACTERIA; FECAL BACTERIA; TOTAL COLIFORM; TOTAL STREPTOCO CCI
TOTAL DISSOLVED SOLIDS	DISSOLVED	DESICCATION WEIGHT	MILLIGRAM/LITER	39	OBS	3 OBS/STATION		
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	MILLIGRAM/LITER	39	OBS	3 OBS/STATION		

SIMULIUM VITTATUM ZETTERSTEDT (DIPTERA: SIMULIIDAE) A POTENTIAL WATER QUALITY INDICATOR

DATA COLLECTED: FEBRUARY 1973 TO APRIL 1973

RECEIVED: AUGUST 12, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NORTHWESTERN DELAWARE, RED CLAY CREEK

ABSTRACT:
PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING A STUDY CONDUCTED IN 1973 ON THE RED CLAY CREEK, DELAWARE TO DETERMINE IF THE LARVAE OF A COMMON INSECT SPECIES, THE BLACKFLY SIMULIUM VITTATUM, COULD BE USED AS AN INDICATOR ORGANISM OF WATER QUALITY.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
40 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
ALI, S.H., 1974. SIMULIUM VITTATUM ZETTERSTEDT (DIPTERA: SIMULIIDAE) A POTENTIAL WATER QUALITY INDICATOR. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 40 P.

CONTACT:
MORRIS LIBRARY 302 738 2455
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307954481

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	6	STATIONS			RED CLAY CREEK
TIME	EARTH	STATION TIME	YMD	36	OBS			
COUNT OF INSECTS	LAND	VISUAL	MEAN NUMBER OF LARVAE PER BRICK PER OBS PER STATION	36	OBS	1 OBS PER 1-2 WEEKS		AQUATIC INSECTS
TEMPERATURE	WATER	RESISTANCE THERMOMETER	DEG C	36	OBS	1 OBS PER 1-2 WEEKS		
LIGHT ATTENUATIO N	WATER	SPECTROPHOTOMETRY	JACKSON TURBIDITY UNITS	36	OBS	1 OBS PER 1-2 WEEKS		
PH	WATER	PH METER	PH UNITS	36	OBS	1 OBS PER 1-2 WEEKS		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PARTS PER MILLION	36 OBS	1 OBS PER 1-2 WEEKS		
AMMONIA	WATER	TITRATION	PARTS PER MILLION	36 OBS	1 OBS PER 1-2 WEEKS		
NITRATE	WATER	TITRATION	PARTS PER MILLION	36 OBS	1 OBS PER 1-2 WEEKS		
ORTHOPHOSPHATE	WATER	COLORIMETRY	PARTS PER MILLION	36 OBS	1 OBS PER 1-2 WEEKS		
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	PARTS PER MILLION	36 OBS	1 OBS PER 1-2 WEEKS		
COUNT OF MICROBIOTA	WATER	FILTRATION	COLONIES PER 100 ML	36 OBS	1 OBS PER 1-2 WEEKS		
IRON	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	36 OBS	1 OBS PER 1-2 WEEKS		
ZINC	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	36 OBS	1 OBS PER 1-2 WEEKS		
COPPER	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	36 OBS	1 OBS PER 1-2 WEEKS		
SPECIES DETERMINATION OF INSECTS	LAND	KEY		36 OBS	1 OBS PER 1-2 WEEKS		AQUATIC INSECTS

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DELMARVA ECOLOGICAL SURVEY PLANKTONIC AND BENTHIC ORGANISMS
DATA COLLECTED: JANUARY 1974 TO DECEMBER 1974

RECEIVED: AUGUST 12, 1976

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA, CHESAPEAKE AND DELAWARE CANAL

ABSTRACT:
DATA COLLECTED ON THE PLANKTONIC AND BENTHIC ORGANISMS FOUND IN THE CHESAPEAKE AND DELAWARE CANAL AND ADJACENT WATERS DURING THE 1974 ECOLOGICAL STUDY OF THE AQUATIC ENVIRONMENT IN THE VICINITY OF THE PROPOSED SUMMIT POWER STATION ARE PRESENTED IN REPORT FORM. SPECIES DETERMINATIONS AND DISTRIBUTIONS OF PHYTOPLANKTON, ZOOPLANKTON AND BENTHIC ORGANISMS ARE GIVEN IN ORDER TO OBTAIN INFORMATION ABOUT DAILY AND SEASONAL CHANGES IN POPULATION STRUCTURE. VITALITY STUDIES ON THE ZOOPLANKTON ARE INCLUDED. THE RESULTS OF A COMPREHENSIVE ANALYSIS OF THE PHYSICAL/CHEMICAL ENVIRONMENT IN THE CANAL WATERS DURING THE BIOLOGICAL SAMPLING PROGRAM ARE ALSO AVAILABLE. MEASURED PARAMETERS INCLUDE COLIFORM COUNTS, NUTRIENTS, PIGMENTS, HEAVY METALS, OIL AND GREASE, TEMPERATURE, SALINITY, DISSOLVED OXYGEN GAS, PH, TURBIDITY AND TRANSPARENCY, HARDNESS, TOTAL ALKALINITY, CARBONATE ALKALINITY, SULFATE, TOTAL DISSOLVED SOLIDS, SUSPENDED SOLIDS, TOTAL PHOSPHORUS, DISSOLVED PHOSPHORUS, NITRATE-NITROGEN, NITRITE-NITROGEN, AMMONIA, ORGANIC NITROGEN, MAGNESIUM, CALCIUM AND TOTAL SILICA.

DATA AVAILABILITY:
UPON PERMISSION FROM DELMARVA POWER AND LIGHT COMPANY

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
REPORTS
103 PAGES

FUNDING:
DELMARVA POWER AND LIGHT COMPANY

118

INVENTORY:

PUBLICATIONS:
INTERPRETIVE REPORT 1974 BY RAYTHEON COMPANY FOR UNITED ENGINEERS AND CONSTRUCTORS INC., CLIENT: DELMARVA POWER AND LIGHT COMPANY; COMPLETE REPORT OF RAW DATA IN ANNUAL DATA REPORT

CONTACT:
HUDSON HOEN 302 479 3205
DELMARVA POWER AND LIGHT COMPANY
800 KING STREET
WILMINGTON DELAWARE USA 19899

GRID LOCATOR (LAT):
73079533

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	7	STATIONS			
TIME	EARTH	STATION TIME	YMD	7	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG F	686	OBS	BIWEEKLY TO MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
SALINITY	WATER	TITRATION	PPT	686	OBS	BIWEEKLY TO MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MG/L	686	OBS	BIWEEKLY TO MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
PH	WATER	PH METER	PH UNITS	686	OBS	BIWEEKLY TC MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
LIGHT ATTENUATIO N	WATER	COLORIMETRY	PERCENT TRANSMITTANCE, JTU	686	OBS	BIWEEKLY TO MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
HARDNESS	WATER	EDTA TITRATION	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
TOTAL ALKALINITY	WATER	TITRATION	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER,	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
					DECEMBER, BIWEEKLY - MARCH-OCTOBER		
CARBONATE ALKALINITY	WATER	TITRATION	MG/L	80 OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
SULFATE	WATER	NEPHELOMETRY	MG/L	80 OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
TOTAL DISSOLVED SOLIDS	DISSOLVED	DESICCATION WEIGHT	MG/L	80 OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
TOTAL SOLIDS	WATER	DRY WEIGHT	MG/L	80 OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
PHOSPHORUS	WATER	COLORIMETRY	MG/L	80 OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
PHOSPHORUS	DISSOLVED	COLORIMETRY	MG/L	80 OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
AMMONIA	WATER	TITRATION	MG/L	80 OBS	MONTHLY -	SURFACE,	1 SAMPLE PER

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
						JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	BOTTOM	OBS; 2 STATIONS
ORGANIC NITROGEN	WATER	TITRATION	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
NITRATE	WATER	COLORIMETRY	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
NITRITE	WATER	COLORIMETRY	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
OILS	WATER	EXTRACTION/ WEIGHT	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
MAGNESIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
CALCIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY -	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
						MARCH-OCTOBER		
ALUMINUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
SILICON	WATER	COLORIMETRY	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
OILS	SEDIMENT	EXTRACTION/ WEIGHT	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	MG/L	16	OBS	MONTHLY	SURFACE	4 STATIONS; APRIL, JUNE, AUGUST, OCTOBER; 1 SAMPLE PER OBS
CADMIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
CHROMIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
NICKEL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
LEAD	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
ZINC	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
IRON	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
MERCURY	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
CHROMIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
NICKEL	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
LEAD	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
ZINC	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
IRON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
MERCUFY	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
COUNT OF MICROBIOTA	WATER	VISUAL	COLONIES PER 100 ML	64	OBS	MONTHLY	SURFACE, BOTTOM	TOTAL AND FECAL COLIFORM COUNT; 4 STATIONS; APRIL, JUNE, AUGUST, OCTOBER; 2 SAMPLES PER OBS
CHLOROPHYLL A	WATER	FLUOROMETRY	MG/M3	4	STATIONS	MONTHLY	SURFACE, BOTTOM	4 STATIONS; JANUARY, MARCH-OCTOBER; 2 SAMPLES PER OBS
TOTAL PHAEOPHYTIN	WATER	FLUOROMETRY	MG/M3	4	STATIONS	MONTHLY	SURFACE, BOTTOM	4 STATIONS; JANUARY, MARCH-OCTOBER; 2 SAMPLES PER OBS
COUNT OF PHYTOPLANKTON	WATER	FILTRATION	NUMBER PER SPECIES PER ML PER SAMPLE	560	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	7 STATIONS; 2 SAMPLES PER OBS
SPECIES DETERMINATION OF PHYTOPLANKTON	WATER	KEY	SPECIES PER ML PER SAMPLE	560	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	7 STATIONS; 2 SAMPLES PER OBS
COUNT OF ZOOPLANKTON	WATER	FIXED, STAINED, ALIQUOT	NUMBER PER SPECIES PER M3 PER SAMPLE	560	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY -	SURFACE, BOTTOM	7 STATIONS; 2 SAMPLES PER OBS; 5-TENTHS M. 500-MICRON MESH NET USED IN SAMPLING;

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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
					MARCH- OCTOBER		DAY SAMPLING
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	SPECIES PER M3 PER SAMPLE	560 OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH- OCTOBER	SURFACE, BOTTOM	COUNT OF ZOOPLANKTON
MORTALITY OF ZOOPLANKTON	WATER	VISUAL	PERCENT OF TOTAL INDIVIDUA LS PER SPECIES DEAD AT TIME OF SAMPLING PER SAMPLE	16 OBS	MONTHLY	SURFACE, BOTTOM	2 STATIONS; 1 SAMPLE PER OBS; MARCH, JULY, SEPTEMBER , NOVEMBER
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES PER SAMPLE	135 OBS	MONTHLY		5 STATIONS; 3 SAMPLES PER OBS; APRIL- NOVEMBER; 523 CM2 PONAR SAMPLER
COUNT OF BENTHIC ANIMALS	BOTTOM	MICROSCOPE	NUMBERS PER SPECIES PER SAMPLE	135 OBS	MONTHLY		5 STATIONS; 3 SAMPLES PER OBS; APRIL- NOVEMBER; 523 CM2 PONAR SAMPLER
REACTIVE PHOSPHATE	WATER	COLORIMETRY	UG/L	72 OBS	MONTHLY	SURFACE, BOTTOM	

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DATA COLLECTED: DECEMBER 1974 TO DECEMBER 1974

RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY MOUTH

ABSTRACT:
MISSION W278, FLIGHT 01, WAS ACCOMPLISHED ON DECEMBER 11, 1974, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA, A THERMAL IR SCANNER, A PRT-5 PRECISION RADIATION THERMOMETER, AND THE MOCS (MULTICHANNEL OCEAN COLOR SENSOR) IN COOPERATION WITH NASA'S LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WATER POLLUTION AT THE MOUTH OF THE CHESAPEAKE BAY.
(MISSION W278, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS; STRIP CHARTS
304 9"X9" PRINTS; 1 STRIP CHART

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	304	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	304	OBS	2 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	304	OBS	2 FLIGHTS PER LINE	500, 17,500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	304	OBS	2 FLIGHTS PER LINE	500, 17,500 FEET	50 AND EIGHT-TENTHS MM FOCAL LENGTH

DATA COLLECTED: MAY 1974 TO MAY 1974

RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA, HAMPTON ROADS, JAMES RIVER, HOG ISLAND

ABSTRACT:
MISSION W276, FLIGHT 01, WAS ACCOMPLISHED ON MAY 28, 1974, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH FOUR HASSELBLAD CAMERAS, A T-11 AERIAL MAPPING CAMERA, AND A MULTICHANNEL OCEAN COLOR SENSOR IN COOPERATION WITH NASA'S LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WATER POLLUTION AS RELATED TO EUTROPHICATION LEVELS IN THE JAMES RIVER FROM HOPEWELL TO THE HAMPTON ROADS/CRANEY ISLAND INDUSTRIAL WATERFRONT.
(MISSION W276, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
284 70MM PRINTS; 71 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077733 73077625 73076653 73076643

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	355	OBS			
TIME	EARTH	STATION TIME	YMD	355	OBS	5 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINT	284	OBS	5 FLIGHTS PER LINE	3000 AND 17,500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINT	71	OBS	5 FLIGHTS PER LINE	3000 AND 17,500 FEET	40MM FOCAL LENGTH

ANNEX II

Data Files

Part B

Data File Index - Listed by Key Word

Effects of Boating and Shipping
on Water Quality

This index contains an alphabetical listing by key word of the data files in this annex. After some key words is a number or series of numbers which reference the page numbers of the particular file(s) within this report. Most of the files are referenced by more than one key word. Underlined numbers indicate files generated after January 1, 1973.

The key words which do not reference any relevant files are included to indicate the extent of the file search.

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Annex II

Part B
Data File Index-Listed by Key Word

Effects of Boating and Shipping
on Water Quality

ABS
use surfactants

aliphatic hydrocarbons (dissolved)
none

aliphatic hydrocarbons (sediment)
83

aliphatic hydrocarbons (water)
21

aromatic hydrocarbons (dissolved)
none

aromatic hydrocarbons (suspended)
none

aromatic hydrocarbons (water)
none

benthic animals
use count

benzopyrene (water)
none

biomass of microbiota (sediment)
none

biomass of microbiota (water)
none

coliform
use microbiota

coliform index
use count of microbiota

count of benthic animals (bottom)
32, 46, 50, 63, 92, 113, 118

count of microbiota (sediment)
73

count of microbiota (water)
9, 11, 12, 17, 25, 27, 32, 41, 42, 52, 54, 58, 60, 63, 65, 73, 80, 85, 90, 92, 94, 110, 113, 116, 118

count of pelagic fish (water)
19, 44, 48, 94, 110, 113

detergents (water)
none

fecal coliform
use microbiota

fuel oil (water)
none

gasoline (water)
none

grease
use oils

growth studies of microbiota (water)
none

hydrocarbons (dissolved)
none

hydrocarbons (sediment)
none

hydrocarbons (suspended)
none

hydrocarbons (water)
none

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kerosene (water)
none

land use (land)
56, 94

lubricating oil (water)
none

MBAS
use surfacants

microbiota
use biomass, count, growth studies, species determination, taxonomic list, volume determination, weight

oil degradation (sediment)
none

oil degradation (water)
none

oil slick coverage (water)
none

oil slick occurrence (sediment)
none

oil slick occurrence (water)
88

oils (sediment)
113, 118

oils (water)
118

pelagic fish
use count

photograph (aerial) (earth)
8, 14, 15, 16, 29, 30, 31, 34, 35, 36, 37, 38, 39, 40, 75, 76, 77, 78, 79, 96, 97, 98, 99, 100, 101, 102, 104, 105, 106, 107, 108, 109, 112, 125, 126

population
use count

saturated hydrocarbons (suspended)
none

soap
use detergents

species determination of microbiota (sediment)
73

species determination of microbiota (water)
65, 73, 92

surfacants (water)
80, 85

tar balls (water)
none

taxonomic list of microbiota (sediment)
23

taxonomic list of microbiota (water)
23

total hydrocarbons
use hydrocarbons

volume determination of microbiota (sediment)
none

volume determination of microbiota (water)
none

weight of microbiota (sediment)
none

weight of microbiota (water)
none

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ANNEX III

Monitoring Programs

Effects of Boating and Shipping on Water Quality

The monitoring programs identified for this report form three categories, as follows:

Continuous monitoring programs presently active in the Chesapeake Bay - 16 files.

Continuous monitoring programs initiated after January 1967 that have operated five (5) years or longer, but are presently not operational - 0 files.

Continuous monitoring programs initiated prior to January 1967 that have operated ten (10) years or longer and are presently not operational - 1 file.

The programs are arranged by date of initiation, earliest first.

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DATA COLLECTED: JANUARY 1925 TO PRESENT

MONITORING PROJECTS:
BACTERIOLOGICAL AND HYDROGRAPHIC SEAWATER DATA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, TIDAL TRIBUTARIES

ABSTRACT:
BIOLOGICAL DATA INCLUDING VARIOUS BACTERIOLOGICAL ANALYSES AND HYDROGRAPHIC DATA ARE OBTAINED FROM SELECTED STATIONS ALONG THE TIDAL COASTLINE OF VIRGINIA AT MONTHLY INTERVALS. HISTORICAL DATA GOES BACK TO 1925 FOR SOME STATIONS AT INTERVALS RANGING FROM MONTHS TO YEARS. THE INFORMATION IS OBTAINED AS PART OF THE SANITARY SURVEY WHICH MONITORS THE FITNESS OF VIRGINIA TIDAL AREAS FOR OBTAINING SHELLFISH FOR DIRECT MARKETING.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CLOYDE W. WILEY, DIRECTOR 804-786-7937
BUREAU OF SHELLFISH SANITATION
109 GOVERNOR STREET
RICHMOND, VIRGINIA, USA 23219

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 54.

DATA COLLECTED: JANUARY 1940 TO PRESENT

MONITORING PROJECTS:
SHORELINE SURVEY DATA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, TIDAL TRIBUTARIES

ABSTRACT:
THE TIDAL SHORELINE OF VIRGINIA HAS BEEN DIVIDED INTO 107 AREAS AND EVERY PROPERTY WITHIN THE WATERSHED OF EACH AREA IS VISITED BY INSPECTORS TO DETERMINE SOURCES OF WASTE WHICH MIGHT CONTRIBUTE TO SURFACE WATER POLLUTION. EACH AREA WILL BE SURVEYED AT SIX YEAR INTERVALS. HISTORICALLY THE SURVEY WORK IS LESS FREQUENT, AND THE ENTIRE WATERSHED WAS NOT SURVEYED.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CLOYDE W. WILEY, DIRECTOR 804-786-7937
BUREAU OF SHELLFISH SANITATION
109 GOVERNOR STREET
RICHMOND, VIRGINIA, USA 23219

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 56.

DATA COLLECTED: 1957 TO 1972

MONITORING PROJECTS:
BECKETT NEWTOWN, GLOUCESTER COUNTY, NEW JERSEY REPORT FOR LANDTECT CORPORATION

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GLOUCESTER COUNTY

ABSTRACT:
THIS REPORT IS AN ENVIRONMENTAL IMPACT STATEMENT DISCUSSING THE SITE FOR A POTENTIAL HOUSING DEVELOPMENT. IT INCLUDES A COMPLETE REPORT ON SOIL CHARACTERISTICS AND SUITABILITY FOR VARIOUS PURPOSES, CLIMATIC, WATER QUALITY, HYDROLOGIC, GEOLOGIC, FAUNAL AND FLORAL DATA. IT HAS IN ADDITION AN EXTENSIVE BIBLIOGRAPHY. WATER ANALYSES WERE DONE BY AN INDEPENDENT LAB AND METHODS WERE NOT REPORTED.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. JAMES A. SCHMID 215-647-3110
JACK MCCORMICK AND ASSOCIATES
860 WATERLOO ROAD
DEVON, PENNSYLVANIA, USA 19333

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 90.

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DATA COLLECTED: MAY 1960 TO PRESENT

MONITORING PROJECTS:
BEACH WATER SAMPLE REPORTS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, HAMPTON ROADS, BACK RIVER

ABSTRACT:
BEACH WATER SAMPLES ARE ROUTINELY COLLECTED AT WEEKLY OR MONTHLY INTERVALS AND ANALYZED FOR TOTAL OR FECAL COLIFORM BACTERIA. (DATA COLLECTED FROM SHORE STATIONS.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
H. C. ASHTON, SUPERVISORY SANITARIAN 804-722-7411
HAMPTON HEALTH DEPARTMENT
3130 VICTORIA BOULEVARD
HAMPTON, VIRGINIA, USA 23661

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 42.

DATA COLLECTED: JUNE 1962 TO PRESENT

MONITORING PROJECTS:
WATER QUALITY PROGRAM

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, ANNE ARUNDEL COUNTY

ABSTRACT:
COUNTS OF FECAL COLIFORM BACTERIA HAVE BEEN MADE SINCE 1962 ON WATER SAMPLES TAKEN DURING A TEN WEEK PERIOD EACH SUMMER. SAMPLING STATIONS ARE NEAR PUBLIC RECREATION AREAS AT BODKIN CREEK, MAGOTHY RIVER, SEVERN RIVER, SOUTH RIVER, WEST RIVER AND HERRING BAY, ANNE ARUNDEL COUNTY, MARYLAND.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
B. SPENCER FRANKLIN 301-267-8151
ANNE ARUNDEL COUNTY HEALTH DEPARTMENT
3 BROAD CREEK PARKWAY
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 9.

DATA COLLECTED: JULY 1962 TO PRESENT

MONITORING PROJECTS:
DELAWARE ESTUARY WATER QUALITY SURVEILLANCE PROGRAM

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., LOWER DELAWARE BAY, MARCUS HOOK, PENNSYLVANIA TO TRENTON, NEW JERSEY

ABSTRACT:
SINCE JULY 9, 1962, THE WATER DEPARTMENT HAS CONDUCTED A WEEKLY SURVEY BY BOAT OF THE QUALITY OF THE ESTUARINE WATERS OF THE DELAWARE RIVER FROM MARCUS HOOK, PA. TO TRENTON, NJ. THE PROGRAM CONSISTS OF A WEEKLY COLLECTION OF GRAB SAMPLES FROM THE CENTER OF THE NAVIGATION CHANNEL AT EACH OF 23 STATIONS. EACH LOCATION IS FIXED BY THE PILOT OF THE BOAT BY REFERENCE TO BUOYS, RANGE LIGHTS, AND OTHER NAVIGATION AIDS. ANALYSES INCLUDE: MERCURY, ALUMINUM, TEMPERATURE, PH, ALKALINITY, TURBIDITY, DISSOLVED OXYGEN, BOD, COD, SPECIFIC CONDUCTANCE, CHLORIDES, ORTHO-AND POLY-PHOSPHATES, AMMONIA, NITRATE, NITRITE, PHENOLS, METHYLENE BLUE ACTIVE SUBSTANCES, CYANIDE, TOTAL COLIFORMS, FECAL COLIFORMS AND STREPTOCOCCI, ZINC, CALCIUM, MAGNESIUM, IRON, NICKEL, CADMIUM, COPPER, CHROMIUM, ARSENIC, MANGANESE, LEAD, AND BERYLLIUM.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DENNIS D. BLAIR 215-686-1776
RESEARCH AND DEVELOPMENT DIVISION
PHILADELPHIA WATER DEPARTMENT
1270 MSB 15th AND JFK BOULEVARD
PHILADELPHIA, PENNSYLVANIA, USA 19107

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 85.

DATA COLLECTED: 1964 TO PRESENT

MONITORING PROJECTS:
WATER RESOURCES DATA FOR PENNSYLVANIA; PART TWO, WATER QUALITY RECORDS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., PENNSYLVANIA

ABSTRACT:
THIS IS AN ONGOING STUDY OF THE QUALITY OF SURFACE WATERS OF PENNSYLVANIA. THERE ARE APPROXIMATELY 250 STATIONS FROM WHICH DATA ARE COLLECTED, MOST OF WHICH MONITOR STREAM DISCHARGE, TEMPERATURE, SPECIFIC CONDUCTIVITY AND DISSOLVED OXYGEN. IN ADDITION, ABOUT 200 STATIONS REPORT BIOCHEMICAL OXYGEN DEMAND, DISSOLVED CA, MG, NA, K, CL, F, SULFATE, NITRATE, ORTHOPHOSPHATE, CARBON DIOXIDE, BICARBONATE, AND CARBONATE, AS WELL AS PH, ALKALINITY, HARDNESS, NONCARBONATE HARDNESS AND COLOR. ABOUT 50 STATIONS ADDITIONALLY MONITOR DISSOLVED SILICA, FE AND MN, COLIFORM AND STREPTOCCI. SPOT CHECKS ARE MADE FOR SURFACTANTS, TURBIDITY, AND DISSOLVED AMMONIA, AL, AS, CD, CR, CU, PB, HG, NI, ZN AND A VARIETY OF PESTICIDES IN WATER AND SEDIMENTS. THE DATA ARE PRINTED ANNUALLY IN SUMMARY REPORTS; DETAILED DATA FROM MANY INDIVIDUAL STATIONS ARE AVAILABLE.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

P. DEMARTE 717-782-4514
U.S. GEOLOGICAL SURVEY
228 WALNUT STREET
HARRISBURG, PENNSYLVANIA 17108

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 80.

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DATA COLLECTED: JANUARY 1964 TO PRESENT

MONITORING PROJECTS:
MICROBIOLOGICAL ANALYSIS OF ESTUARINE ENVIRONMENTS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
ANALYSIS OF CHESAPEAKE BAY SEDIMENTS FOR BACTERIA AND VIRAL COMPONENTS WITH ANCILLARY DATA ON WATER TEMPERATURE, D.O., SALINITY AND NUTRIENTS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. R. R. COLWELL 301-454-5376
DEPARTMENT OF MICROBIOLOGY
UNIVERSITY OF MARYLAND
COLLEGE PARK, MARYLAND, USA 20742

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 73.

DATA COLLECTED: 1965 TO PRESENT

MONITORING PROJECTS:
A CHECKLIST OF BIOTA OF LOWER CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
A REPORT OF BIOTA DISTRIBUTION IN THE LOWER CHESAPEAKE BAY. TAXONOMIC LISTS OF BENTHIC ANIMALS, BENTHIC PLANTS, PHYTOPLANKTON, PELAGIC FISH, MICROBIOTA, MAMMALS, BIRDS, REPTILES AND AMPHIBIANS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 23.

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DATA COLLECTED: JUNE 1968 TO PRESENT

MONITORING PROJECTS:
CALVERT CLIFFS SURVEY REPORTS FOR THE BALTIMORE GAS AND ELECTRIC COMPANY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, CALVERT CLIFFS

ABSTRACT:
TO DETERMINE THE ECOSYSTEM STRUCTURE AND ITS ECOLOGICAL CHARACTERISTICS, PARTICULARLY DIVERSITY, IN CERTAIN SELECTED, SHALLOW-WATER AREAS IN THE VICINITY OF THE CALVERT CLIFFS NUCLEAR GENERATING STATION, A SURVEY IS BEING CARRIED OUT INCLUDING BIOLOGICAL, CHEMICAL, PHYSICAL, AND BACTERIOLOGICAL STUDIES OF THE WATER. THE STUDY IS TO DETERMINE A BASE LINE PICTURE OF CHESAPEAKE BAY CONDITIONS BEFORE PLANT OPERATIONS BEGIN.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN 215-567-3700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA, PENNSYLVANIA, USA 19103

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 65.

DATA COLLECTED: JANUARY 1969 to PRESENT

MONITORING PROJECTS:
MICROBIOTA SURVEY OF ELIZABETH RIVER - WESTERN BRANCH

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, ELIZABETH RIVER

ABSTRACT:
SHORELINE SAMPLING STATIONS ARE MONITORED AT BIWEEKLY INTERVALS AND WATER SAMPLES ARE ANALYSED FOR TOTAL FECAL COLIFORM BACTERIA.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
M. G. PENDLETON JR., DIRECTOR OF ENVIRONMENTAL HEALTH 804-393-8649
DEPARTMENT OF PUBLIC HEALTH
800 CRAWFORD PARKWAY, P. O. BOX 250
PORTSMOUTH, VIRGINIA, USA 23705

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 41.

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DATA COLLECTED: JANUARY 1969 TO PRESENT

MONITORING PROJECTS:
CHEMICAL, BACTERIOLOGICAL AND PHYSIOLOGICAL STUDY ON THE CHESAPEAKE BAY IN THE VICINITY OF CALVERT CLIFFS, MARYLAND

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, CALVERT CLIFFS

ABSTRACT:
WATER SAMPLES OBTAINED MONTHLY FROM STATIONS IN THE VICINITY OF THE PROPOSED NUCLEAR GENERATING STATION AT CALVERT CLIFFS ARE ANALYSED FOR A NUMBER OF CHEMICAL, BACTERIOLOGICAL AND PHYSICAL PARAMETERS. THE RESULTS OF THESE ANALYSES ARE AVAILABLE FROM THE BALTIMORE GAS AND ELECTRIC COMPANY IN THE FORM OF YEARLY CONTRACT REPORTS BY THE PHILADELPHIA ACADEMY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN 215-567-3700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA, PENNSYLVANIA, USA 19103

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 60.

DATA COLLECTED: JUNE 1972 TO PRESENT

MONITORING PROJECTS:
ENVIRONMENTAL CONSULTATION - WETLANDS LYNNHAVEN AREA OF LOWER CHESAPEAKE BAY AND ELIZABETH RIVER

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF LOWER CHESAPEAKE BAY - LYNNHAVEN BAY AND ELIZABETH RIVER. DATA COLLECTED IN CONJUNCTION WITH CONTRACT WORK FOR CONTRACTORS AND LAND DEVELOPERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL KIRK 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX, PAGE 32.

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DATA COLLECTED: JUNE 1972 TO PRESENT

MONITORING PROJECTS:
NEKTON AND BENTHIC SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, HACKETTS POINT, TOLLY POINT, MATAPEAKE

ABSTRACT:
THIS IS A CONTINUING SURVEY OF THE NEKTON AND BENTHIC ORGANISMS IN THE AREA AROUND THE CHESAPEAKE BAY BRIDGE. PARAMETERS INCLUDE TEMPERATURE, SALINITY, SPECIES DETERMINATIONS AND COUNTS, WEATHER AND SECCHI DISC DEPTH.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
HUGO G. GEMIGNAMI 301-647-7100
ANNE ARUNDEL COMMUNITY COLLEGE
101 COLLEGE PARKWAY
ARNOLD, MARYLAND, USA 21012

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 92.

DATA COLLECTED: JULY 1972 TO PRESENT

MONITORING PROJECTS:
SURFACE WATER QUALITY - CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, OCEANVIEW TO SANDBRIDGE

ABSTRACT:
FECAL COLIFORM BACTERIA ARE MONITORED AT MONTHLY INTERVALS FROM WATER SAMPLES OBTAINED ALONG THE SOUTH EASTERN COAST OF VIRGINIA.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
M. J. OWENS, SANITARIAN SUPERVISOR 804-427-4261
VIRGINIA BEACH HEALTH DEPARTMENT
P. O. BOX 6185, PRINCESS ANNE STATION
VIRGINIA BEACH, VIRGINIA, USA 23456

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 17.

DATA COLLECTED: MAY 1973 TO PRESENT

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MONITORING PROJECTS:
HAMPTON ROADS SEWAGE OUTFALL SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, OCASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, HAMPTON ROADS, ELIZABETH, JAMES AND LAFAYETTE RIVERS

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND WATER QUALITY PARAMETERS IN HAMPTON ROADS NEAR SEWAGE TREATMENT PLANTS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DONALD ADAMS 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 25.

DATA COLLECTED: AUGUST 1973 TO PRESENT

MONITORING PROJECTS:
AMBERLY STORM DRAINAGE PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, ANNAPOLIS, RIDEOUT AND WHITEHALL CREEKS

ABSTRACT:
THIS STUDY HAS MONITORED TOTAL AND FECAL COLIFORMS IN TWO CREEKS BEFORE, DURING AND AFTER THE AMBERLY STORM DRAINAGE PROJECT.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
NANCY G. DIMSDALE 301-268-8816
CHESAPEAKE BAY FOUNDATION
PRINCE GEORGE AND EAST STREETS
ANNAPOLIS, MARYLAND, USA 21404

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 11.

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